FILE 'HOME' ENTERED AT 18:04:13 ON 20 OCT 2002

=> b medline uspatfull

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'MEDLINE' ENTERED AT 18:04:33 ON 20 OCT 2002

FILE 'USPATFULL' ENTERED AT 18:04:33 ON 20 OCT 2002
CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

=> s (c57bl()6) and propythiouracil

L1 0 (C57B1(W) 6) AND PROPYTHIOURACIL

=> s (c57bl()6) and propylthiouracil

L2 3 (C57B1(W) 6) AND PROPYLTHIOURACIL

=> dup rem l2

PROCESSING COMPLETED FOR L2
L3 3 DUP REM L2 (0 DUPLICATES REMOVED)

=> d l3 ibib abs tot kwic

L3 ANSWER 1 OF 3 USPATFULL
ACCESSION NUMBER: 2002:211959 USPATFULL
TITLE: 17 human secreted proteins
INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES
Komatsoulis, George A., Silver Spring, MD, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Birse, Charles E., North Potomac, MD, UNITED STATES
Seppet, Daniel R., Centreville, VA, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Wei, Ping, Brookeville, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Duan, D. Roxanne, Bethesda, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Choi, Gil H., Rockville, MD, UNITED STATES
Fiscella, Michele, Bethesda, MD, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002120133	A1	20020829
APPLICATION INFO.:	US 2001-815582	A1	20010727 (9)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. WO 2001-US1431, filed on 17 Jan 2001, UNKNOWN

	NUMBER	DATE

PRIORITY INFORMATION: US 2000-179065P 20000131 (60)
US 2000-180628P 20000204 (60)
US 2000-231968P 20000912 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850
NUMBER OF CLAIMS: 23
EXEMPLARY CLAIM: 1
LINE COUNT: 20680
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
DETD . . . as L-T.sub.4.TM., SYNTHROID.TM. and LEVOTHROID.TM. (levothyroxine sodium), L-T.sub.3.TM., CYTOMEL.TM. and TRIOSTAT.TM. (liothyroine sodium), and THYROLAR.TM. (liotrix); antithyroid compounds such as 6-n-**propylthiouracil** (**propylthiouracil**), 1-methyl-2-mercaptoimidazole and TAPAZOLE.TM. (methimazole), NEO-MERCAZOLE.TM. (carbimazole); beta-adrenergic receptor antagonists such as propranolol and esmolol; Ca.sup.2+ channel blockers; dexamethasone and iodinated. . .
DETD . . . a polypeptide of the invention at 150 mg/ml at 4 degrees C. and
drawn into cold 3 ml syringes. Female **C57B1/6** mice approximately 8 weeks old are injected with the mixture of Matrigel and experimental protein at 2 sites at the. . .

L? ANSWER 2 OF 3 USPATFULL
ACCESSION NUMBER: 2002:148614 USPATFULL
TITLE: 28 human secreted proteins
INVENTOR(S): Ruben, Steven M., Olney, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Li, Yi, Sunnyvale, CA, UNITED STATES
Zeng, Zhizhen, Lansdale, PA, UNITED STATES
Kyaw, Hla, Frederick, MD, UNITED STATES
Fischer, Carrie L., Burke, VA, UNITED STATES
Li, Haodong, Gaithersburg, MD, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
Gentz, Reiner L., Rockville, MD, UNITED STATES
Wei, Ying-Fei, Berkeley, CA, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
Greene, John M., Gaithersburg, MD, UNITED STATES
Ferrie, Ann M., Painted Post, NY, UNITED STATES

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2002076756	A1	20020620	
APPLICATION INFO.:	US 2001-853161	A1	20010511	(9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-265583P	20010202 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850
NUMBER OF CLAIMS: 23
EXEMPLARY CLAIM: 1

LINE COUNT: 17788
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
DETD . . . as L-T.sub.4.TM., SYNTHROID.TM. and LEVOTHROID.TM. (levothyroxine sodium), L-T.sub.3.TM., CYTOMEL.TM. and TRICSTAT.TM. (liothyroine sodium), and THYROLAR.TM. (liotrix); antithyroid compounds such as 6-n-**propylthiouracil** (**propylthiouracil**), 1-methyl-2-mercaptoimidazole and TAPAZOLE.TM. (methimazole), NEO-MERCAZOLE.TM. (carbimazole); beta-adrenergic receptor antagonists such as propranolol and esmolol; Ca.sup.2+ channel blockers; dexamethasone and iodinated. . .
DETD . . . a polypeptide of the invention at 150 ng/ml at 4 degrees C. and
drawn into cold 3 ml syringes. Female **C57B1/6** mice approximately 8 weeks old are injected with the mixture of Matrigel and experimental protein at 2 sites at the. . .

L3 ANSWER 3 OF 3 USPATFULL
ACCESSION NUMBER: 2002:22131 USPATFULL
TITLE: 18 Human secreted proteins
INVENTOR(S.): Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002012966	A1	20020131
APPLICATION INFO.:	US 2001-768826	A1	20010125 (9)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. WO 2000-US22350, filed on 15 Aug 2000, UNKNOWN

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-148759P	19990816 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850
NUMBER OF CLAIMS: 23
EXEMPLARY CLAIM: 1
LINE COUNT: 18157
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
DETD . . . as L-T.sub.4.TM., SYNTHROID.TM. and LEVOTHROID.TM. (levothyroxine sodium), L-T.sub.3.TM., CYTOMEL.TM. and TRIOSTA.TM. (liothyroine sodium), and THYROLAR.TM. (liotrix); antithyroid compounds such as 6-n-**propylthiouracil** (**propylthiouracil**),

1-methyl-2-mercaptoimidazole and TAPAZOLE.TM. (methimazole), NEO-MERCAZOLE.TM. (carbimazole); beta-adrenergic receptor antagonists such as propranolol and esmolol; Ca.sup.2+ channel blockers; dexamethasone and iodinated. . .

DETD . . . a polypeptide of the invention at 150 ng/ml at 4 degrees C and drawn into cold 3 ml syringes. Female **C57B1/6** mice approximately 8 weeks old are injected with the mixture of Matrigel and experimental protein at 2 sites at the. . .

=> b biosis

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	8.99	9.20

FILE 'BIOSIS' ENTERED AT 18:06:59 ON 20 OCT 2002
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FILE COVERS 1969 TO DATE.
CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 16 October 2002 (20021016/ED)

=> s (c57bl()6) and propylthiouracil

1681	C57BL
1348629	6
961	C57BL(W)6
2082	PROPYLTHIOURACIL
L4	9 (C57BL(W)6) AND PROPYLTHIOURACIL

=> b lifesci

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.83	10.03

FILE 'LIFESCI' ENTERED AT 18:07:18 ON 20 OCT 2002
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FILE COVERS 1978 TO 8 Oct 2002 (20021008/ED)

=> s (c57bl()6) and propylthiouracil

616	C57BL
182341	6
417	C57BL(W)6
333	PROPYLTHIOURACIL
L5	4 (C57BL(W)6) AND PROPYLTHIOURACIL

=> b embase

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.94	10.97

FILE 'EMBASE' ENTERED AT 18:07:29 ON 20 OCT 2002

FILE COVERS 1974 TO 17 Oct 2002 (20021017/ED)

EMBASE has been reloaded. Enter HELP RLOAD for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s (c57bl()6) and propylthiouracil

```
          1315 C57BL
        800375 6
           738 C57BL(W)6
          4768 PROPYLTHIOURACIL
L5            0 (C57BL(W)6) AND PROPYLTHIOURACIL
```

=> b medline caplus lifesci embase uspatfull biosis

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.11	12.08

FILE 'MEDLINE' ENTERED AT 18:08:06 ON 20 OCT 2002

FILE 'CAPLUS' ENTERED AT 18:08:06 ON 20 OCT 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE 'USPATFULL' ENTERED AT 18:08:06 ON 20 OCT 2002
CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'BIOSIS' ENTERED AT 18:08:06 ON 20 OCT 2002
COPYRIGHT (C) 2002 BIOLOGICAL ABSTRACTS INC.(R)

=> s (c57bl()6) and (methimazole or carbamizole)

L7 3 (C57BL(W) 6) AND (METHIMAZOLE OR CARBAMIZOLE)

=> dup rem l7

PROCESSING COMPLETED FOR L7
L8 3 DUP REM L7 (0 DUPLICATES REMOVED)

=> d l8 ibib abs tot kwic

L8 ANSWER 1 OF 3 USPATFULL
ACCESSION NUMBER: 2002:221958 USPATFULL
TITLE: 17 human secreted proteins
INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES
Komatsoulis, George A., Silver Spring, MD, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Birse, Charles E., North Potomac, MD, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Wei, Ping, Brookeville, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Duan, D. Roxanne, Bethesda, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Choi, Gil H., Rockville, MD, UNITED STATES

Fiscella, Michele, Bethesda, MD, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002100103	A1	20020829
APPLICATION INFO.:	US 2001-915582	A1	20010727 (9)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. WO 2001-US1431, filed on 17 Jan 2001, UNKNOWN

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-179065P	20000131 (60)
	US 2000-181628P	20000204 (60)
	US 2000-231968P	20000912 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 23
EXEMPLARY CLAIM: 1
LINE COUNT: 20630

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

DETD . . . levothyroxine sodium), L-T.sub.3.TM., CYTOMEL.TM. and TRIOSTAT.TM. (liothyroine sodium), and THYROLAR.TM. (liotrix); antithyroid compounds such as 6-n-propylthiouracil (propylthiouracil), 1-methyl-2-mercaptoimidazole and TAPAZOLE.TM. (**methimazole**), NEO-MERCAZOLE.TM. (carbimazole); beta-adrenergic receptor antagonists such as propranolol and esmolol; Ca.sup.2+ channel blockers; dexamethasone and iodinated radiological contrast agents such. . .

DETD . . . a polypeptide of the invention at 150 ng/ml at 4 degrees C. and
drawn into cold 3 ml syringes. Female **C57Bl/6** mice approximately 8 weeks old are injected with the mixture of Matrigel and experimental protein at 2 sites at the. . .

L8 ANSWER 2 OF 3 USPATFULL

ACCESSION NUMBER: 2002:148614 USPATFULL
TITLE: 28 human secreted proteins
INVENTOR(S): Ruben, Steven M., Olney, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Li, Yi, Sunnyvale, CA, UNITED STATES
Zeng, ZhiZhen, Lansdale, PA, UNITED STATES
Kyaw, Hla, Frederick, MD, UNITED STATES
Fischer, Carrie L., Burke, VA, UNITED STATES
Li, Haodong, Gaithersburg, MD, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
Gentz, Reiner L., Rockville, MD, UNITED STATES
Wei, Ying-Fei, Berkeley, CA, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
Greene, John M., Gaithersburg, MD, UNITED STATES
Ferrie, Ann M., Painted Post, NY, UNITED STATES

	NUMBER	KIND	DATE

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002076756	A1	20020620
APPLICATION INFO.:	US 2001-852161	A1	20010511 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-265583P	20010202 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 23
EXEMPLARY CLAIM: 1
LINE COUNT: 17798
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

DETD . . . (levothyroxine sodium), L-T.sub.3.TM., CYTOMEL.TM. and TRIOSTAT.TM. (liothyroine sodium), and THYROLAR.TM. (liotrix); antithyroid compounds such as 6-n-propylthiouracil (propylthiouracil), 1-methyl-2-mercaptoimidazole and TAPAZOLE.TM. (**methimazole**), NEO-MERCAZOLE.TM. (carbimazole); beta-adrenergic receptor antagonists such as propranolol and esmolol; Ca.sup.2+ channel blockers; dexamethasone and iodinated radiological contrast agents such. . .

DETD . . . a polypeptide of the invention at 150 ng/ml at 4 degrees C. and

drawn into cold 3 ml syringes. Female **C57B1/6** mice approximately 8 weeks old are injected with the mixture of Matrigel and experimental protein at 2 sites at the. . .

L8 ANSWER 3 OF 3 USPATFULL
ACCESSION NUMBER: 2002:32131 USPATFULL
TITLE: 18 Human secreted proteins
INVENTOR(S): Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Young, Paul E., Gaithersburg, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Soppet, Daniel R., Centreville, VA, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002012966	A1	20020131
APPLICATION INFO.:	US 2001-768826	A1	20010125 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2000-US22350, filed on 15 Aug 2000, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-148759P	19990816 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 29
EXEMPLARY CLAIM: 1
LINE COUNT: 18157
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human secreted proteins and

isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

DETD . . . (levothyroxine sodium), L-T.sub.3.TM., CYTOMEL.TM. and TRIOSTA.TM. (liothyronine sodium), and THYROLAR.TM. (liotrix); antithyroid compounds such as 6-n-propylthiouracil (propylthiouracil), 1-methyl-2-mercaptoimidazole and TAPAZOLE.TM. (**methimazole**), NEO-MERCAZOLE.TM. (carbimazole); beta-adrenergic receptor antagonists such as propranolol and esmolol; Ca.sup.2+ channel blockers; dexamethasone and iodinated radiological contrast agents such. . .

DETD . . . a polypeptide of the invention at 150 ng/ml at 4 degrees C and drawn into cold 3 ml syringes. Female **C57B1/6** mice approximately 8 weeks old are injected with the mixture of Matrigel and experimental protein at 2 sites at the. . .

L5 ANSWER 21 OF 124 MEDLINE
ACCESSION NUMBER: 93319417 MEDLINE
DOCUMENT NUMBER: 93319417 PubMed ID: 7681993
TITLE: In vivo expression of inducible nitric oxide synthase in experimentally induced neurologic diseases.
COMMENT: Erratum in: Proc Natl Acad Sci U S A 1993 Jun 1;90(11):5378
AUTHOR: Kaprowski H; Zheng Y M; **Heber-Katz E**; Fraser N; Rorke L; Fu Z F; Hanlon C; Dietzschold B
CORPORATE SOURCE: Department of Microbiology and Immunology, Thomas Jefferson University, Philadelphia, PA 19107.
CONTRACT NUMBER: AI-09701 (NIAID)
MH-45174 (NIMH)
NS11036 (NINDS)
SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1993 Apr 1) 90 (7) 3024-7.
Journal code: 7505876. ISSN: 0027-8424.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199305
ENTRY DATE: Entered STN: 19930521
Last Updated on STN: 20000303
Entered Medline: 19930504

L5 ANSWER 22 OF 124 MEDLINE
ACCESSION NUMBER: 92384539 MEDLINE
DOCUMENT NUMBER: 92384539 PubMed ID: 1381167
TITLE: Shared T-cell receptor gene usage in experimental allergic neuritis and encephalomyelitis.
COMMENT: Comment in: Ann Neurol. 1993 Jul;34(1):113-4
AUTHOR: Clark L; **Heber-Katz E**; Postami A
CORPORATE SOURCE: Wistar Institute of Anatomy and Biology, Philadelphia, PA.
CONTRACT NUMBER: AR39489 (NIAMS)
NS-11036 (NINDS)
NS08075 (NINDS)
SOURCE: ANNALS OF NEUROLOGY, (1992 Jun) 31 (6) 587-92.
Journal code: 7707449. ISSN: 0364-5134.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199209
ENTRY DATE: Entered STN: 19921019
Last Updated on STN: 20000303
Entered Medline: 19920925

L5 ANSWER 23 OF 124 MEDLINE
ACCESSION NUMBER: 93352658 MEDLINE
DOCUMENT NUMBER: 93352658 PubMed ID: 1386519
TITLE: Observations, legends, and conjectures concerning restricted T-cell receptor usage and autoimmune disease.
AUTHOR: Esch T; Clark L; Zhang X M; Goldman S; **Heber-Katz E**
CORPORATE SOURCE: Wistar Institute, Philadelphia, PA 19104.
CONTRACT NUMBER: CA-09171 (NCI)
NS-11036-17 (NINDS)
SOURCE: CRITICAL REVIEWS IN IMMUNOLOGY, (1992) 11 (5) 249-64.
Ref:

146
Journal code: 8914819. ISSN: 1040-8401.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; REVIEW)
(REVIEW, ACADEMIC)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199209
ENTRY DATE: Entered STN: 19920925
Last Updated on STN: 19920925
Entered Medline: 19920904

L5 ANSWER 24 OF 124 MEDLINE
ACCESSION NUMBER: 92121432 MEDLINE
DOCUMENT NUMBER: 92121432 PubMed ID: 1531052
TITLE: A workshop on thymus, clonal deletion and suppressor systems in demyelinating disease. 20-24 March 1991, Eldorado Hotel, Santa Fe, NM, USA.
AUTHOR: **Heber-Katz E**; Waksman B
CORPORATE SOURCE: Wistar Institute, Philadelphia, PA 19104.
SOURCE: JOURNAL OF NEUROIMMUNOLOGY, (1992 Feb) 36 (2-3) 231-8.
Journal code: 8109498. ISSN: 0165-5728.
PUB. COUNTRY: Netherlands
DOCUMENT TYPE: Conference; Conference Article; (CONGRESSES)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199202
ENTRY DATE: Entered STN: 19920315
Last Updated on STN: 19990129
Entered Medline: 19920221

L5 ANSWER 25 OF 124 MEDLINE
ACCESSION NUMBER: 92113254 MEDLINE
DOCUMENT NUMBER: 92113254 PubMed ID: 1370515
TITLE: T cell receptor sequences from encephalitogenic T cells in adult Lewis rats suggest an early ontogenic origin.
AUTHOR: Zhang X M; **Heber-Katz E**
CORPORATE SOURCE: Wistar Institute of Anatomy and Biology, Philadelphia, PA 19104.
CONTRACT NUMBER: NS-11036-17 (NINDS)
SOURCE: JOURNAL OF IMMUNOLOGY, (1992 Feb 1) 148 (3) 746-52.
Journal code: 2985117R. ISSN: 0022-1767.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 199202
ENTRY DATE: Entered STN: 19920208
Last Updated on STN: 20000303
Entered Medline: 19920219

L5 ANSWER 26 OF 124 MEDLINE
ACCESSION NUMBER: 92062769 MEDLINE
DOCUMENT NUMBER: 92062769 PubMed ID: 1954284
TITLE: The autoimmune T-cell receptor in experimental disease.
AUTHOR: **Heber-Katz E**
CORPORATE SOURCE: Wistar Institute, Philadelphia, Pennsylvania.
SOURCE: IMMUNOLOGY SERIES, (1991) 55 155-69. Ref: 72
Journal code: 0404721. ISSN: 0092-6019.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, ACADEMIC)
LANGUAGE: English
FILE SEGMENT: Priority Journals

ENTRY MONTH: 199201
ENTRY DATE: Entered STN: 19920124
Last Updated on STN: 20000303
Entered Medline: 19920103

L5 ANSWER 27 OF 124 MEDLINE
ACCESSION NUMBER: 91334487 MEDLINE
DOCUMENT NUMBER: 91334487 PubMed ID: 1714594
TITLE: T-cell receptor peptide immunization leads to enhanced and chronic experimental allergic encephalomyelitis.
AUTHOR: Desquenne-Clark L; Esch T R; Otvos L Jr; **Heber-Katz E**
CORPORATE SOURCE: Wistar Institute of Anatomy and Biology, Philadelphia, PA 19104.
CONTRACT NUMBER: NS 11036 (NINDS)
SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1991 Aug 15) 88 (16) 7219-23.
Journal code: 7505876. ISSN: 0027-8424.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199109
ENTRY DATE: Entered STN: 19911006
Last Updated on STN: 20000303
Entered Medline: 19910916

L5 ANSWER 28 OF 124 MEDLINE
ACCESSION NUMBER: 91332429 MEDLINE
DOCUMENT NUMBER: 91332429 PubMed ID: 1714476
TITLE: Nonencephalitogenic CD4+ CD8- V alpha 2V beta 8.2+ anti-myelin basic protein rat T lymphocytes inhibit disease induction.
AUTHOR: Lider O; Miller A; Miron S; Hershkoviz R; Weiner H L; Zhang X M; **Heber-Katz E**
CORPORATE SOURCE: Department of Cell Biology, Weizmann Institute of Science, Rehovot, Israel.
SOURCE: JOURNAL OF IMMUNOLOGY, (1991 Aug 15) 147 (4) 1208-13.
Journal code: 2985117R. ISSN: 0022-1767.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 199109
ENTRY DATE: Entered STN: 19911006
Last Updated on STN: 20000303
Entered Medline: 19910916

L5 ANSWER 29 OF 124 MEDLINE
ACCESSION NUMBER: 91161691 MEDLINE
DOCUMENT NUMBER: 91161691 PubMed ID: 1705946
TITLE: Cytotoxic effects of myelin basic protein-reactive T cell hybridoma cells on oligodendrocytes.
AUTHOR: Kawai K; **Heber-Katz E**; Zweiman B
CORPORATE SOURCE: Department of Neurology, University of Pennsylvania School of Medicine, Philadelphia 19104-6057.
CONTRACT NUMBER: NS11036 (NINDS)
PO1 NS11037 (NINDS)
SOURCE: JOURNAL OF NEUROIMMUNOLOGY, (1991 Apr) 32 (1) 75-81.
Journal code: 8109498. ISSN: 0165-5728.
PUB. COUNTRY: Netherlands
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals

ENTRY MONTH: 199104
ENTRY DATE: Entered STN: 19910505
Last Updated on STN: 19960129
Entered Medline: 19910417

L5 ANSWER 30 OF 124 MEDLINE
ACCESSION NUMBER: 91079587 MEDLINE
DOCUMENT NUMBER: 91079587 PubMed ID: 1701801
TITLE: Characterization of a new, potent, immunopathogenic epitope
in S-antigen that elicits T cells expressing V beta 8 and V
alpha 2-like genes.
AUTHOR: Merryman C F; Donoso L A; Zhang X M; **Heber-Katz E**; Gregerson D S
CORPORATE SOURCE: Department of Biochemistry, Jefferson Medical College, Thomas Jefferson University, Philadelphia, PA 19107.
CONTRACT NUMBER: EY05095 (NEI)
EY07610 (NEI)
NS11086 (NINDS)
+
SOURCE: JOURNAL OF IMMUNOLOGY, (1991 Jan 1) 146 (1) 75-80.
Journal code: 2985117R. ISSN: 0022-1767.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 199101
ENTRY DATE: Entered STN: 19910322
Last Updated on STN: 19970103
Entered Medline: 19910129

L5 ANSWER 31 OF 124 MEDLINE
ACCESSION NUMBER: 91070846 MEDLINE
DOCUMENT NUMBER: 91070846 PubMed ID: 1983968
TITLE: Conserved T cell receptor V gene usage by uveitogenic T cells.
AUTHOR: Gregerson D S; Fling S P; Merryman C F; Zhang X M; Li X B; **Heber-Katz E**
CORPORATE SOURCE: Department of Ophthalmology, University of Minnesota, Minneapolis 55455.
CONTRACT NUMBER: EY05417 (NEI)
NS11086 (NINDS)
SOURCE: CLINICAL IMMUNOLOGY AND IMMUNOPATHOLOGY, (1991 Jan) 58 (1) 154-61.
Journal code: 0356637. ISSN: 0090-1229.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199101
ENTRY DATE: Entered STN: 19910308
Last Updated on STN: 19910308
Entered Medline: 19910122

L5 ANSWER 32 OF 124 MEDLINE
ACCESSION NUMBER: 90357695 MEDLINE
DOCUMENT NUMBER: 90357695 PubMed ID: 2143873
TITLE: Immunologic consequence of class II+ pancreatic islet allografts on recipient responsiveness.
AUTHOR: Markmann J F; Barker C F; Lo D; Brinster R; **Heber-Katz E**; Naji A
CORPORATE SOURCE: Department of Surgery, University of Pennsylvania Medical Center, Philadelphia 19104.
CONTRACT NUMBER: 5Y32GM07170 (NIGMS)
DK26007 (NIDDK)

DK34878 (NIDDK)
SOURCE: TRANSPLANTATION PROCEEDINGS, (1990 Aug) 22 (4) 2052-3.
Journal code: 0243532. ISSN: 0041-1345.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199009
ENTRY DATE: Entered STN: 19901026
Last Updated on STN: 19901026
Entered Medline: 19900926

L5 ANSWER 33 OF 124 MEDLINE
ACCESSION NUMBER: 90336334 MEDLINE
DOCUMENT NUMBER: 90336334 PubMed ID: 2484051
TITLE: A new hierarchy of TCR specificity: autoimmune diseases are
defined by particular V alpha V beta combinations and not by antigen specificity.
AUTHOR: **Heber-Katz E**
CORPORATE SOURCE: Wistar Institute of Anatomy and Biology, Philadelphia, Pennsylvania 19104.
CONTRACT NUMBER: NS-11036 (NINDS)
SOURCE: COLD SPRING HARBOR SYMPOSIA ON QUANTITATIVE BIOLOGY, (1989)
54 Pt 2 875-8.
Journal code: 1256107. ISSN: 0091-7451.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199009
ENTRY DATE: Entered STN: 19901012
Last Updated on STN: 20000303
Entered Medline: 19900913

L5 ANSWER 34 OF 124 MEDLINE
ACCESSION NUMBER: 90168093 MEDLINE
DOCUMENT NUMBER: 90168093 PubMed ID: 1689623
TITLE: The autoimmune T cell receptor: epitopes, idiotopes, and malatopes.
AUTHOR: **Heber-Katz E**
CORPORATE SOURCE: Wistar Institute, Philadelphia, Pennsylvania 19104.
SOURCE: CLINICAL IMMUNOLOGY AND IMMUNOPATHOLOGY, (1990 Apr) 55 (1) 1-8. Ref: 36
Journal code: 0356637. ISSN: 0090-1229.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199004
ENTRY DATE: Entered STN: 19900601
Last Updated on STN: 20000303
Entered Medline: 19900405

L5 ANSWER 35 OF 124 MEDLINE
ACCESSION NUMBER: 90063034 MEDLINE
DOCUMENT NUMBER: 90063034 PubMed ID: 2479681
TITLE: Determinants of human myelin basic protein that induce encephalitogenic T cells in Lewis rats.
AUTHOR: Vandenbark A A; Hashim G A; Celnik B; Galang A; Li X B; **Heber-Katz E**; Offner H
CORPORATE SOURCE: Neuroimmunology Research, VA Medical Center, Portland, OR 97201.

CONTRACT NUMBER: NS-21466 (NINDS)
NS-23221 (NINDS)
NS-23444 (NINDS)
+
SOURCE: JOURNAL OF IMMUNOLOGY, (1989 Dec 1) 143 (11) 3512-6.
Journal code: 2985117R. ISSN: 0022-1767.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 199001
ENTRY DATE: Entered STN: 19900328
Last Updated on STN: 20000303
Entered Medline: 19900105

L5 ANSWER 36 OF 124 MEDLINE
ACCESSION NUMBER: 89361265 MEDLINE
DOCUMENT NUMBER: 89361265 PubMed ID: 2475577
TITLE: Lack of immunodominance in the T cell response to herpes simplex virus glycoprotein D after administration of infectious virus.
AUTHOR: Yamashita K; **Heber-Katz E**
CORPORATE SOURCE: Wistar Institute of Anatomy and Biology, Philadelphia, Pennsylvania 19104.
CONTRACT NUMBER: AI-22528 (NIAID)
SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1989 Sep 1) 170 (3) 997-1002.
Journal code: 2985109R. ISSN: 0022-1007.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198910
ENTRY DATE: Entered STN: 19900309
Last Updated on STN: 19970203
Entered Medline: 19891003

L5 ANSWER 37 OF 124 MEDLINE
ACCESSION NUMBER: 89308317 MEDLINE
DOCUMENT NUMBER: 89308317 PubMed ID: 2474052
TITLE: T cell determinants of myelin basic protein include a unique encephalitogenic I-E-restricted epitope for Lewis rats.
AUTHOR: Offner H; Hashim G A; Celnik B; Galang A; Li X B; Burns F R; Shen N; **Heber-Katz E**; Vandenbark A A
CORPORATE SOURCE: Veterans Administration Medical Center, Portland, Oregon 97201.
CONTRACT NUMBER: NS-21466 (NINDS)
NS-23221 (NINDS)
NS-23444 (NINDS)
+
SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1989 Aug 1) 170 (2) 355-67.
Journal code: 2985109R. ISSN: 0022-1007.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198909
ENTRY DATE: Entered STN: 19900309
Last Updated on STN: 20000303
Entered Medline: 19890905

L5 ANSWER 38 OF 124 MEDLINE
ACCESSION NUMBER: 89302583 MEDLINE
DOCUMENT NUMBER: 89302583 PubMed ID: 6101061

TITLE: The Ia molecule of the antigen presenting cell plays a critical role in immune response gene regulation of T cell activation.
AUTHOR: **Heber-Katz E**; Hansburg D; Schwartz R H
CORPORATE SOURCE: Laboratory of Immunology, National Institutes of Allergy and Infectious Diseases, Bethesda, MD 20205.
SOURCE: JOURNAL OF MOLECULAR AND CELLULAR IMMUNOLOGY, (1983) 1 (1) 3-18.
Journal code: 8405005. ISSN: 0724-6803.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198909
ENTRY DATE: Entered STN: 19900309
Last Updated on STN: 19900309
Entered Medline: 19890901

L5 ANSWER 39 OF 124 MEDLINE
ACCESSION NUMBER: 89302580 MEDLINE
DOCUMENT NUMBER: 89302580 PubMed ID: 2663017
TITLE: The V-region disease hypothesis: evidence from autoimmune encephalomyelitis.
AUTHOR: **Heber-Katz E**; Acha-Orbea H
CONTRACT NUMBER: AI007757 (NIAID)
NS 11086 (NINDS)
NS 18735 (NINDS)
SOURCE: IMMUNOLOGY TODAY, (1989 May) 10 (5) 164-9. Ref: 41
Journal code: 8008446. ISSN: 0167-5699.
PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, ACADEMIC)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198908
ENTRY DATE: Entered STN: 19900309
Last Updated on STN: 19900309
Entered Medline: 19890802

L5 ANSWER 40 OF 124 MEDLINE
ACCESSION NUMBER: 88086963 MEDLINE
DOCUMENT NUMBER: 88086963 PubMed ID: 2462633
TITLE: Clonal modulation of experimental allergic encephalomyelitis by a monoclonal antibody directed to the T-cell receptor.
AUTHOR: **Heber-Katz E**; Owhashi M; Happ M P; Burns F; Shen N; Li X
CORPORATE SOURCE: Wistar Institute, Philadelphia, Pennsylvania 19104.
SOURCE: ANNALS OF THE NEW YORK ACADEMY OF SCIENCES, (1988) 540 576-7.
Journal code: 7506858. ISSN: 0077-8923.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198902
ENTRY DATE: Entered STN: 19900309
Last Updated on STN: 19900309
Entered Medline: 19890208

L5 ANSWER 41 OF 124 MEDLINE
ACCESSION NUMBER: 88080488 MEDLINE
DOCUMENT NUMBER: 88080488 PubMed ID: 2462609
TITLE: Both rat and mouse T cell receptors specific for the encephalitogenic determinant of myelin basic protein use

similar V alpha and V beta chain genes even though the major histocompatibility complex and encephalitogenic determinants being recognized are different.

AUTHOR: Burns F R; Li X B; Shen N; Offner H; Chou Y K; Vandenbark A

A; **Heber-Katz E**

CORPORATE SOURCE: Wistar Institute of Anatomy and Biology, Philadelphia, Pennsylvania 19104.

CONTRACT NUMBER: NS-11036 (NINDS)
NS-23021 (NINDS)
NS-23444 (NINDS)
+

SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1989 Jan 1) 169 (1) 27-39.
Journal code: 2985109R. ISSN: 0022-1007.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

OTHER SOURCE: GENBANK-Y00803

ENTRY MONTH: 198902

ENTRY DATE: Entered STN: 19900308
Last Updated on STN: 19970203
Entered Medline: 19890209

L5 ANSWER 42 OF 124 MEDLINE

ACCESSION NUMBER: 89067823 MEDLINE

DOCUMENT NUMBER: 89067823 PubMed ID: 2462007

TITLE: Protection from experimental allergic encephalomyelitis conferred by a monoclonal antibody directed against a shared idiotype on rat T cell receptors specific for myelin basic protein.

AUTHOR: Owhashi M; **Heber-Katz E**

CORPORATE SOURCE: Wistar Institute of Anatomy and Biology, Philadelphia, Pennsylvania 19104.

CONTRACT NUMBER: NS-11036 (NINDS)

SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1988 Dec 1) 168 (6) 2153-64.
Journal code: 2985109R. ISSN: 0022-1007.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 198901

ENTRY DATE: Entered STN: 19900308
Last Updated on STN: 20000303
Entered Medline: 19890117

L5 ANSWER 43 OF 124 MEDLINE

ACCESSION NUMBER: 89057143 MEDLINE

DOCUMENT NUMBER: 89057143 PubMed ID: 3143077

TITLE: Antigen presenting function of class II MHC expressing pancreatic beta cells.

AUTHOR: Markmann J; Lo D; Naji A; Palmiter R D; Brinster R L; **Heber-Katz E**

CORPORATE SOURCE: Department of Surgery, School of Medicine, University of Pennsylvania, Philadelphia 19104.

SOURCE: NATURE, (1988 Dec 1) 336 (6198) 476-9.
Journal code: 0410462. ISSN: 0028-0836.

PUB. COUNTRY: ENGLAND: United Kingdom

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 198901

ENTRY DATE: Entered STN: 19900308

Last Updated on STN: 19900308
Entered Medline: 19890103

L5 ANSWER 44 OF 124 MEDLINE
ACCESSION NUMBER: 88315748 MEDLINE
DOCUMENT NUMBER: 88315748 PubMed ID: 2457618
TITLE: Genetic control of the development of experimental allergic
encephalomyelitis in rats. Separation of MHC and non-MHC gene effects.
AUTHOR: Happ M P; Wettstein P; Dietzschold B; **Heber-Katz E**
CORPORATE SOURCE: Wistar Institute of Anatomy and Biology, Philadelphia, PA 19104.
CONTRACT NUMBER: NS-11036 (NINDS)
SOURCE: JOURNAL OF IMMUNOLOGY, (1988 Sep 1) 141 (5) 1489-94.
Journal code: 2985117R. ISSN: 0022-1767.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 198809
ENTRY DATE: Entered STN: 19900308
Last Updated on STN: 20000303
Entered Medline: 19890926

L5 ANSWER 45 OF 124 MEDLINE
ACCESSION NUMBER: 88315332 MEDLINE
DOCUMENT NUMBER: 88315332 PubMed ID: 2457602
TITLE: The autoreactive T cell population in experimental allergic
encephalomyelitis: T cell receptor beta-chain rearrangements.
AUTHOR: Happ M P; Kiraly A S; Offner H; Vandenbark A;
Heber-Katz E
CORPORATE SOURCE: Wistar Institute, Philadelphia, PA 19104.
CONTRACT NUMBER: NS-11036 (NINDS)
NS-23221 (NINDS)
NS-23444 (NINDS)
SOURCE: JOURNAL OF NEUROIMMUNOLOGY, (1988 Sep) 19 (3) 191-204.
Journal code: 8109498. ISSN: 0165-5728.
PUB. COUNTRY: Netherlands
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198810
ENTRY DATE: Entered STN: 19900308
Last Updated on STN: 20000303
Entered Medline: 19881003

L5 ANSWER 46 OF 124 MEDLINE
ACCESSION NUMBER: 88284726 MEDLINE
DOCUMENT NUMBER: 88284726 PubMed ID: 3260890
TITLE: A simple technique to distinguish rat from mouse chromosomes in T cell hybridomas.
AUTHOR: Simon D; Valentine S; **Heber-Katz E**; Knowles B B
CORPORATE SOURCE: Albert Einstein Medical Center, Department of Obstetrics and Gynecology, Philadelphia, PA 19141.
CONTRACT NUMBER: CA 10815 (NCI)
CA 18470 (NCI)
SOURCE: HYBRIDOMA, (1988 Jun) 7 (3) 301-7.
Journal code: 8202424. ISSN: 0272-457X.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198809

ENTRY DATE: Entered STN: 19900308
Last Updated on STN: 19970203
Entered Medline: 19880902

L5 ANSWER 47 OF 124 MEDLINE
ACCESSION NUMBER: 88154749 MEDLINE
DOCUMENT NUMBER: 88154749 PubMed ID: 2450161
TITLE: Differences in the repertoire of the Lewis rat T cell response to self and non-self myelin basic proteins.
AUTHOR: Happ M P; **Heber-Katz E**
CORPORATE SOURCE: Wistar Institute, Philadelphia, Pennsylvania 19104.
CONTRACT NUMBER: NS-11036 (NINDS)
SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1988 Feb 1) 167 (2) 502-13.
Journal code: 2985109R. ISSN: 0022-1007.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198804
ENTRY DATE: Entered STN: 19900308
Last Updated on STN: 20000303
Entered Medline: 19880413

L5 ANSWER 48 OF 124 MEDLINE
ACCESSION NUMBER: 88154724 MEDLINE
DOCUMENT NUMBER: 88154724 PubMed ID: 2450157
TITLE: Overlapping T cell antigenic sites on a synthetic peptide fragment from herpes simplex virus glycoprotein D, the degenerate MHC restriction elicited, and functional evidence for antigen-Ia interaction.
AUTHOR: **Heber-Katz E**; Valentine S; Dietzschold B; Burns-Purzycki C
CORPORATE SOURCE: Wistar Institute of Anatomy and Biology, Philadelphia, Pennsylvania 19104.
CONTRACT NUMBER: AI-22528 (NIAID)
NS-11036 (NINDS)
SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1988 Feb 1) 167 (2) 675-87.
Journal code: 2985109R. ISSN: 0022-1007.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198804
ENTRY DATE: Entered STN: 19900308
Last Updated on STN: 19970203
Entered Medline: 19880413

L5 ANSWER 49 OF 124 MEDLINE
ACCESSION NUMBER: 88097448 MEDLINE
DOCUMENT NUMBER: 88097448 PubMed ID: 3480536
TITLE: Induction of protective immunity against rabies by immunization with rabies virus ribonucleoprotein.
AUTHOR: Dietzschold B; Wang H H; Rupprecht C E; Celis E; Tollis M; Ertl H; **Heber-Katz E**; Koprowski H
CORPORATE SOURCE: Wistar Institue of Anatomy and Biology, Philadelphia, PA 19104.
CONTRACT NUMBER: AI-09706-16 (NIAID)
AI-22528 (NIAID)
SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1987 Dec) 84 (24) 9165-9.
Journal code: 7505876. ISSN: 0027-8424.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English

FILE SEGMENT: Priority Journals
ENTRY MONTH: 198802
ENTRY DATE: Entered STN: 19900305
Last Updated on STN: 19970203
Entered Medline: 19880229

L5 ANSWER 50 OF 124 MEDLINE
ACCESSION NUMBER: 87139800 MEDLINE
DOCUMENT NUMBER: 87139800 PubMed ID: 3023870
TITLE: A synthetic peptide induces long-term protection from lethal infection with herpes simplex virus 2.
AUTHOR: Watari E; Dietzschold B; Szokan G; **Heber-Katz E**
CONTRACT NUMBER: AI-22528 (NIAID)
NS-11036 (NINDS)
SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1987 Feb 1) 165 (2) 459-70.
Journal code: 2985109R. ISSN: 0022-1007.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198704
ENTRY DATE: Entered STN: 19900303
Last Updated on STN: 19970203
Entered Medline: 19870413

L5 ANSWER 51 OF 124 MEDLINE
ACCESSION NUMBER: 87052944 MEDLINE
DOCUMENT NUMBER: 87052944 PubMed ID: 3022991
TITLE: Immune response to synthetic herpes simplex virus peptides:
the feasibility of a synthetic vaccine.
AUTHOR: **Heber-Katz E**; Dietzschold B
SOURCE: CURRENT TOPICS IN MICROBIOLOGY AND IMMUNOLOGY, (1986) 130 51-64.
Journal code: 0110513. ISSN: 0070-217X.
PUB. COUNTRY: GERMANY, WEST: Germany, Federal Republic of
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198701
ENTRY DATE: Entered STN: 19900302
Last Updated on STN: 19900302
Entered Medline: 19870112

L5 ANSWER 52 OF 124 MEDLINE
ACCESSION NUMBER: 86185671 MEDLINE
DOCUMENT NUMBER: 86185671 PubMed ID: 6336258
TITLE: Considerations in the design of a peptide antigen specific for T cells.
AUTHOR: **Heber-Katz E**; Hollosi M; Hudecz F; Fasman G; Dietzschold B
CONTRACT NUMBER: AI-09706 (NIAID)
NS-11036 (NINDS)
SOURCE: ANNALI SCLAVO. COLLANA MONOGRAFICA, (1984) 1 (2) 119-28.
Journal code: 8701688. ISSN: 0003-472X.
PUB. COUNTRY: Italy
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198605
ENTRY DATE: Entered STN: 19900321
Last Updated on STN: 19970203
Entered Medline: 19860509

L5 ANSWER 53 OF 124 MEDLINE

ACCESSION NUMBER: 86081728 MEDLINE
DOCUMENT NUMBER: 86081728 PubMed ID: 3935430
TITLE: Tissue-specific, inducible and functional expression of the
E alpha d MHC class II gene in transgenic mice.
AUTHOR: Pinkert C A; Widera G; Cowing C; **Heber-Katz E**; Palmiter R D; Flavell R A; Brinster R L
CONTRACT NUMBER: AI-16044 (NIAID)
HD-09172 (NICHD)
HD-17321 (NICHD)
+
SOURCE: EMBO JOURNAL, (1985 Sep) 4 (9) 2225-30.
Journal code: 8208664. ISSN: 0261-4189.
PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198602
ENTRY DATE: Entered STN: 19900321
Last Updated on STN: 19970203
Entered Medline: 19860207

L5 ANSWER 54 OF 124 MEDLINE
ACCESSION NUMBER: 85235581 MEDLINE
DOCUMENT NUMBER: 85235581 PubMed ID: 2409148
TITLE: The T cell response to the glycoprotein D of the herpes simplex virus: the significance of antigen conformation.
AUTHOR: **Heber-Katz E**; Hollosi M; Dietzschold B; Hudecz F; Fasman G D
CONTRACT NUMBER: AI-09706 (NIAID)
NS-11036 (NINDS)
SOURCE: JOURNAL OF IMMUNOLOGY, (1985 Aug) 135 (2) 1385-90.
Journal code: 2985117R. ISSN: 0022-1767.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 198508
ENTRY DATE: Entered STN: 19900320
Last Updated on STN: 19970203
Entered Medline: 19850819

L5 ANSWER 55 OF 124 MEDLINE
ACCESSION NUMBER: 85113230 MEDLINE
DOCUMENT NUMBER: 85113230 PubMed ID: 2578667
TITLE: Rearrangement and transcription of a T-cell receptor beta-chain gene in different T-cell subsets.
AUTHOR: Hedrick S M; Germain R N; Bevan M J; Dorf M; Engel I; Fink P; Gascoigne N; **Heber-Katz E**; Kapp J; Kaufmann Y;
+
CONTRACT NUMBER: AI-15353 (NIAID)
AI-20320 (NIAID)
AI-21372 (NIAID)
+
SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1985 Jan) 82 (2) 531-5.
Journal code: 7505876. ISSN: 0027-8424.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198503
ENTRY DATE: Entered STN: 19900320
Last Updated on STN: 19970203
Entered Medline: 19850301

L5 ANSWER 56 OF 124 MEDLINE
ACCESSION NUMBER: 83240461 MEDLINE
DOCUMENT NUMBER: 83240461 PubMed ID: 6190979
TITLE: Major histocompatibility complex-controlled, antigen-presenting cell-expressed specificity of T cell antigen recognition. Identification of a site of interaction and its relationship to Ir genes.
AUTHOR: Hansburg D; **Heber-Katz E**; Fairwell T; Appella E
SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1983 Jul 1) 158 (1) 25-39.
Journal code: 2985109R. ISSN: 0022-1007.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198308
ENTRY DATE: Entered STN: 19900319
Last Updated on STN: 19900319
Entered Medline: 19830806

L5 ANSWER 57 OF 124 MEDLINE
ACCESSION NUMBER: 83025072 MEDLINE
DOCUMENT NUMBER: 83025072 PubMed ID: 6181895
TITLE: The fine specificity of antigen and Ia determinant recognition by T cell hybridoma clones specific for pigeon cytochrome c.
AUTHOR: Hedrick S M; Matis L A; Hecht T T; Samelson L E; Longo D L;
Heber-Katz E; Schwartz R H
SOURCE: CELL, (1982 Aug) 30 (1) 141-52.
Journal code: 0413066. ISSN: 0092-8674.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198212
ENTRY DATE: Entered STN: 19900317
Last Updated on STN: 19900317
Entered Medline: 19821218

L5 ANSWER 58 OF 124 MEDLINE
ACCESSION NUMBER: 82234876 MEDLINE
DOCUMENT NUMBER: 82234876 PubMed ID: 6178555
TITLE: The effect of antigen presentation on the fine specificity of anti-cytochrome c T cell hybridomas.
AUTHOR: **Heber-Katz E**; Hansburg D; Schwartz R H
SOURCE: CURRENT TOPICS IN MICROBIOLOGY AND IMMUNOLOGY, (1982) 100 117-24.
Journal code: 0110513. ISSN: 0070-217X.
PUB. COUNTRY: GERMANY, WEST: Germany, Federal Republic of
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198209
ENTRY DATE: Entered STN: 19900317
Last Updated on STN: 19900317
Entered Medline: 19820924

L5 ANSWER 59 OF 124 MEDLINE
ACCESSION NUMBER: 82144285 MEDLINE
DOCUMENT NUMBER: 82144285 PubMed ID: 6174670
TITLE: Contribution of antigen-presenting cell major histocompatibility complex gene products to the specificity
of antigen-induced T cell activation.
AUTHOR: **Heber-Katz E**; Schwartz R H; Matis L A; Hannum C;

Fairwell T; Appella E; Hansburg D
CONTRACT NUMBER: AI-12001 (NIAID)
SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1982 Apr 1) 155 (4) 1086-99.
Journal code: 2985109R. ISSN: 0022-1007.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198205
ENTRY DATE: Entered STN: 19900317
Last Updated on STN: 19970203
Entered Medline: 19820521

L5 ANSWER 60 OF 124 MEDLINE
ACCESSION NUMBER: 82143853 MEDLINE
DOCUMENT NUMBER: 82143853 PubMed ID: 7199547
TITLE: Use of a solid-phase 3H-radioimmunoassay for the measurement of immunoglobulin produced in short-term cultures of antibody-secreting cells.
AUTHOR: Mongini P K; **Heber-Katz E**
SOURCE: JOURNAL OF IMMUNOLOGICAL METHODS, (1982) 49 (1) 39-52.
Journal code: 1305440. ISSN: 0022-1759.
PUB. COUNTRY: Netherlands
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198205
ENTRY DATE: Entered STN: 19900317
Last Updated on STN: 19970203
Entered Medline: 19820521

L5 ANSWER 61 OF 124 MEDLINE
ACCESSION NUMBER: 81241325 MEDLINE
DOCUMENT NUMBER: 81241325 PubMed ID: 7252415
TITLE: Idiotype-anti-idiotype regulation. I. Immunization with a levan-binding myeloma protein leads to the appearance of auto-anti-(anti-idiotype) antibodies and to the activation of silent clones.
AUTHOR: Bona C A; **Heber-Katz E**; Paul W E
SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1981 Apr 1) 153 (4) 951-67.
Journal code: 2985109R. ISSN: 0022-1007.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198109
ENTRY DATE: Entered STN: 19900316
Last Updated on STN: 19900316
Entered Medline: 19810922

L5 ANSWER 62 OF 124 MEDLINE
ACCESSION NUMBER: 80138598 MEDLINE
DOCUMENT NUMBER: 80138598 PubMed ID: 6965694
TITLE: TNP-coupled membranes stimulate T cell proliferation via the macrophage.
AUTHOR: **Heber-Katz E**; Shevach E M
SOURCE: JOURNAL OF IMMUNOLOGY, (1980 Mar) 124 (3) 1503-5.
Journal code: 2985117R. ISSN: 0022-1767.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 198005
ENTRY DATE: Entered STN: 19900315

Last Updated on STN: 19900315
Entered Medline: 19800514

L5 ANSWER 63 OF 124 MEDLINE
ACCESSION NUMBER: 77244971 MEDLINE
DOCUMENT NUMBER: 77244971 PubMed ID: 70304
TITLE: On the possibility of multiple t-cell receptors.
AUTHOR: Wilson D B; **Heber-Katz E**; Sprent J; Howard J C
SOURCE: COLD SPRING HARBOR SYMPOSIA ON QUANTITATIVE BIOLOGY, (1977)
41 Pt 2 559-61.
Journal code: 1256107. ISSN: 0091-7451.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 197710
ENTRY DATE: Entered STN: 19900314
Last Updated on STN: 19900314
Entered Medline: 19771020

L5 ANSWER 64 OF 124 MEDLINE
ACCESSION NUMBER: 76121749 MEDLINE
DOCUMENT NUMBER: 76121749 PubMed ID: 55462
TITLE: Sheep red blood cell-specific helper activity in rat thoracic duct lymphocyte populations positively selected for reactivity to specific strong histocompatibility alloantigens.
AUTHOR: **Heber-Katz E**; Wilson D B
SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1976 Mar 1) 143 (3) 701-6.
Journal code: 2985109R. ISSN: 0022-1007.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 197604
ENTRY DATE: Entered STN: 19900313
Last Updated on STN: 19950206
Entered Medline: 19760427

L5 ANSWER 65 OF 124 MEDLINE
ACCESSION NUMBER: 76047307 MEDLINE
DOCUMENT NUMBER: 76047307 PubMed ID: 52686
TITLE: Collaboration of allogeneic T and B lymphocytes in the primary antibody response to sheep erythrocytes in vitro.
AUTHOR: **Heber-Katz E**; Wilson D B
SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1975 Oct 1) 142 (4) 928-35.
Journal code: 2985109R. ISSN: 0022-1007.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 197601
ENTRY DATE: Entered STN: 19900313
Last Updated on STN: 19900313
Entered Medline: 19760117

L5 ANSWER 66 OF 124 MEDLINE
ACCESSION NUMBER: 73072930 MEDLINE
DOCUMENT NUMBER: 73072930 PubMed ID: 4645593
TITLE: Immune responses in vitro. V. Role of mercaptoethanol in the mixed-leukocyte reaction.
AUTHOR: **Heber-Katz E**; Click R E
SOURCE: CELLULAR IMMUNOLOGY, (1972 Nov) 5 (3) 410-8.

Journal code: 1246405. ISSN: 0008-8749.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 197303
ENTRY DATE: Entered STN: 19900310
Last Updated on STN: 19970203
Entered Medline: 19730305

L5 ANSWER 67 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2000:657439 CAPLUS
DOCUMENT NUMBER: 134:206240
TITLE: Experimental autoimmune meningitis as a model for activation and differentiation of pathogenic T cells
AUTHOR(S): Perrin, Peter J.; Phillips, S. Michael; Rumbley, Catherine A.; Clark, Lise; **Heber-Katz, Ellen**
CORPORATE SOURCE: Department of Medicine, University of Pennsylvania School of Medicine, Philadelphia, PA, 19104, USA
SOURCE: Recent Research Developments in Immunology (1999), 1(Pt. 1), 197-207
CODEN: RRDIB8
PUBLISHER: Research Signpost
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English
REFERENCE COUNT: 74 THERE ARE 74 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L5 ANSWER 68 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1999:529246 CAPLUS
DOCUMENT NUMBER: 131:168353
TITLE: Identification of loci involved in accelerated wound healing and the development of new wound healing promoters
INVENTOR(S): **Heber-Katz, Ellen**
PATENT ASSIGNEE(S): The Wistar Institute, USA
SOURCE: PCT Int. Appl., 136 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9941364	A2	19990819	WO 1999-US2962	19990212
WO 9941364	A3	19991223		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2319700	AA	19990819	CA 1999-2319700	19990212
AU 9926720	A1	19990830	AU 1999-26720	19990212
EP 1053309	A1	20001122	EP 1999-906924	19990212
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002503460	T2	20020205	JP 2000-531545	19990212

PRIORITY APPLN. INFO.: US 1998-74737P A2 19980213
US 1998-97937P A2 19980826

US 1998-102051P A2 19980928
WO 1999-US2962 W 19990212

L5 ANSWER 69 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1995:632530 CAPLUS
DOCUMENT NUMBER: 123:53671
TITLE: Antigen presentation of self antigens
AUTHOR(S): Paterson, Yvonne; **Heber-Katz, Ellen**
CORPORATE SOURCE: Dep. Microbiology, Univ. Pennsylvania, Philadelphia, PA, 19104, USA
SOURCE: Molecular Pathology of Autoimmune Diseases (1993), 83-99. Editor(s): Bona, Constantin A.; et al. Harwood: Chur, Switz.
CODEN: 61PBAP
DOCUMENT TYPE: Conference; General Review
LANGUAGE: English

L5 ANSWER 70 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1995:551311 CAPLUS
DOCUMENT NUMBER: 123:7326
TITLE: B- and T-cell epitope analysis in infectious diseases.
T-cell epitopes in herpes simplex virus 1 (HSV-1) glycoprotein D (gD)
AUTHOR(S): **Heber-Katz, Ellen**; Yamashita, Keizo
CORPORATE SOURCE: Wistar Institute, Philadelphia, PA, USA
SOURCE: Synth. Pept. Search B- T-Cell Epitopes (1994), 164-72.
Editor(s): Rajnavolgyi, Eva. Landes: Austin, Tex.
CODEN: 61ETAO
DOCUMENT TYPE: Conference; General Review
LANGUAGE: English

L5 ANSWER 71 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1995:551308 CAPLUS
DOCUMENT NUMBER: 123:7324
TITLE: Synthetic peptides as T-cell epitopes. An alternative view for the topographical orientation of the T-cell recepter to the MHC-antigen complex
AUTHOR(S): Tang, Xao X.; Ikegaki, Nachiko; **Heber-Katz, Ellen**
CORPORATE SOURCE: Wistar Institute, Philadelphia, PA, USA
SOURCE: Synth. Pept. Search B- T-Cell Epitopes (1994), 119-40.
Editor(s): Rajnavolgyi, Eva. Landes: Austin, Tex.
CODEN: 61ETAO
DOCUMENT TYPE: Conference; General Review
LANGUAGE: English

L5 ANSWER 72 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1994:189262 CAPLUS
DOCUMENT NUMBER: 120:189262
TITLE: Nuclectide sequences of three new members of the mouse V.alpha.2 gene family
AUTHOR(S): Tang, X. X.; Ikegaki, N.; **Heber-Katz, E.**
CORPORATE SOURCE: Immunol. Grad. Group, Univ. Pennsylvania, Philadelphia, PA, 19140, USA
SOURCE: Molecular Immunology (1994), 31(1), 79-82
CODEN: MOIMD5; ISSN: 0161-5890
DOCUMENT TYPE: Journal
LANGUAGE: English

L5 ANSWER 73 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1993:624042 CAPLUS
DOCUMENT NUMBER: 119:224042

TITLE: The V-region disease hypothesis: New evidence suggests it is probably wrong. Reply to comments
AUTHOR(S): **Heber-Katz, Ellen**; Acha-Orbea, Hans
CORPORATE SOURCE: Wistar Inst., Philadelphia, PA, 19104, USA
SOURCE: Immunology Today (1993), 14(8), 380-2
CODEN: IMTOD8; ISSN: 0167-4919
DOCUMENT TYPE: Journal
LANGUAGE: English

L5 ANSWER 74 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1993:446807 CAPLUS
DOCUMENT NUMBER: 119:46807
TITLE: In vivo expression of inducible nitric oxide synthase in experimentally induced neurologic diseases: [Erratum to document cited in CA118(25):252591e]
AUTHOR(S): Koprowski, Hilary; Zheng, Yong Mu; **Heber-Katz, Ellen**; Fraser, Nigel; Rorke, Lucy; Fu, Zhen Fang; Hanlon, Cathleen; Dietzschold, Bernhard
CORPORATE SOURCE: Cent. Neurovirol., Thomas Jefferson Univ., Philadelphia, PA, 19107, USA
SOURCE: Proceedings of the National Academy of Sciences of the United States of America (1993), 90(11), 5378
CODEN: PNASA6; ISSN: 0027-8424
DOCUMENT TYPE: Journal
LANGUAGE: English

L5 ANSWER 75 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1993:210856 CAPLUS
DOCUMENT NUMBER: 118:210856
TITLE: The autoreactive T cell receptor: Structure and biological activity
AUTHOR(S): **Heber-Katz, Ellen**
CORPORATE SOURCE: Wistar Inst., Philadelphia, PA, 19104, USA
SOURCE: NATO ASI Series, Series A: Life Sciences (1992), 233(T Lymphocytes), 145-51
CODEN: NALSDJ; ISSN: 0258-1213
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English

L5 ANSWER 76 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1993:78751 CAPLUS
DOCUMENT NUMBER: 118:78751
TITLE: Peptides as molecular probes of immune responses
AUTHOR(S): **Heber-Katz, Ellen**; Ertl, Hildegund C. J.
CORPORATE SOURCE: Wistar Inst., Philadelphia, PA, 19104, USA
SOURCE: Biomedical Applications of Biotechnology (1993), 1(Biol. Act. Pept.), 269-87
CODEN: BAPBER; ISSN: 1068-7408
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English

L5 ANSWER 77 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1992:424334 CAPLUS
DOCUMENT NUMBER: 117:24334
TITLE: The autoimmune T-cell receptor in experimental disease
AUTHOR(S): **Heber-Katz, Ellen**
CORPORATE SOURCE: Wistar Inst., Philadelphia, PA, USA
SOURCE: Immunology Series (1992), 55(Mol. Immunobiol. Self-React.), 155-69
CODEN: IMSED7; ISSN: 0092-6019
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English

L5 ANSWER 78 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1990:629471 CAPLUS
DOCUMENT NUMBER: 113:229471
TITLE: A transgenic model for tissue specific antigens: tolerance and clonal anergy
AUTHOR(S): Lo, David; Burkly, Linda; Markmann, James; **Heber-Katz, Ellen**; Naji, Ali; Flavell, Richard; Palmiter, Richard; Brinster, Ralph L.
CORPORATE SOURCE: Sch. Vet. Med., Univ. Pennsylvania, Philadelphia, PA, 19104, USA
SOURCE: UCLA Symp. Mol. Cell. Biol., New Ser. (1990), 113(Immunogenicity), 187-94
CODEN: USMBD6; ISSN: 0735-9543
DOCUMENT TYPE: Journal
LANGUAGE: English

L5 ANSWER 79 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1990:550117 CAPLUS
DOCUMENT NUMBER: 113:150117
TITLE: Synthetic branched polypeptides as carriers for low-molecular-weight antigens: correlation between chemical structure and biological functions
AUTHOR(S): Rajnavolgyi, E.; Hudecz, F.; Mezo, G.; Watari, E.; **Heber-Katz, E.**; Gaal, D.; Kurucz, I.; Szekerke, M.; Gergely, J.
CORPORATE SOURCE: Dep. Immunol., L. Eotvos Univ., God, H-2131, Hung.
SOURCE: Chim. Oggi (1990), 8(4), 21-8
CODEN: CHOGDS; ISSN: 0392-839X
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English

L5 ANSWER 80 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1989:21980 CAPLUS
DOCUMENT NUMBER: 110:21980
TITLE: Pathways to presentation
AUTHOR(S): **Heber-Katz, Ellen**; Watari, Eiji; Dietzschold, Bernhard
CORPORATE SOURCE: Wistar Inst., Philadelphia, PA, 19103, USA
SOURCE: Process. Presentation Antigens (1988), 133-41. Editor(s): Pernis, Benvenuto; Silverstein, Samuel C.; Vogel, Henry J. Academic: San Diego, Calif.
CODEN: 56HSAQ
DOCUMENT TYPE: Conference
LANGUAGE: English

L5 ANSWER 81 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1987:483883 CAPLUS
DOCUMENT NUMBER: 107:83883
TITLE: Vaccine for generating an immunogenic T cell response protective against a virus
INVENTOR(S): **Heber-Katz, Ellen**
PATENT ASSIGNEE(S): Wistar Institute, USA
SOURCE: Eur. Pat. Appl., 23 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 203676	A2	19861203	EP 1986-301223	19860220
EP 203676	A3	19880302		
EP 203676	B1	19920129		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
AT 72123	E	19920215	AT 1986-301223	19860220

CA 1265054	A1	19900130	CA 1986-506804	19860416
EP 290246	A2	19881109	EP 1988-304045	19880505
EP 290246	A3	19900131		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
US 5837249	A	19981117	US 1993-139609	19931020

PRIORITY APPLN. INFO.: US 1985-725087 19850419
EP 1986-301223 19860220
US 1987-47443 19870508
US 1991-685459 19910412
US 1992-868946 19920415

L5 ANSWER 82 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1985:22683 CAPLUS
DOCUMENT NUMBER: 102:22683
TITLE: Characterization of the murine TH response to influenza virus hemagglutinin: evidence for three major specificities
AUTHOR(S): Hurwitz, Julia L.; **Heber-Katz, Ellen**; Hackett, Charles J.; Gerhard, Walter
CORPORATE SOURCE: Wistar Inst. Anat. Biol., Philadelphia, PA, 19104, USA
SOURCE: J. Immunol. (1984), 133(6), 3371-7
CODEN: JOIMA3; ISSN: 0022-1767
DOCUMENT TYPE: Journal
LANGUAGE: English

L5 ANSWER 83 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1984:83838 CAPLUS
DOCUMENT NUMBER: 100:83838
TITLE: The Ia molecule contributes to the specificity of T cell activation
AUTHOR(S): Schwartz, R. H.; **Heber-Katz, E.**; Hansburg, D.
CORPORATE SOURCE: Lab. Immunol., Natl. Inst. Allergy Infect. Dis., Bethesda, MD, 20205, USA
SOURCE: Intercell. Commun. Leucocyte Funct., Proc. Int. Leucocyte Cult. Conf., 15th (1983), Meeting Date 1982, 117-25. Editor(s): Parker, John W.; O'Brien, Richard L. Wiley: Chichester, UK.
CODEN: 50UFAC
DOCUMENT TYPE: Conference
LANGUAGE: English

L5 ANSWER 84 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1983:556640 CAPLUS
DOCUMENT NUMBER: 99:156640
TITLE: The effect of antigen and Ia molecule interaction on immune response gene control
AUTHOR(S): **Heber-Katz, Ellen**; Schwartz, Ronald H.
CORPORATE SOURCE: Lab. Immunol., NIH, Bethesda, MD, 20205, USA
SOURCE: Ir Genes, [Ir Gene Workshop], 5th (1983), Meeting Date 1982, 295-304. Editor(s): Pierce, Carl W. Humana: Clifton, N. J.
CODEN: 50HZA7
DOCUMENT TYPE: Conference
LANGUAGE: English

L5 ANSWER 85 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1982:560753 CAPLUS
DOCUMENT NUMBER: 97:160753
TITLE: I region-restricted antigen presentation by B cell-B lymphoma hybridomas
AUTHOR(S): Glimcher, L. H.; Hamano, T.; Asofsky, R.; **Heber-Katz, E.**; Hedrick, S.; Schwartz, R. H.;

Paul, W. E.
CORPORATE SOURCE: Lab. Immunol., Natl. Inst. Allergy Infect. Dis., Bethesda, MD, 20205, USA
SOURCE: Nature (London) (1982), 298(5871), 283-4
CODEN: NATUAS; ISSN: 0028-0836
DOCUMENT TYPE: Journal
LANGUAGE: English

L5 ANSWER 86 OF 124 LIFESCI COPYRIGHT 2002 CSA
ACCESSION NUMBER: 88:74709 LIFESCI
TITLE: The autoreactive T cell population in experimental allergic encephalomyelitis: T cell receptor beta -chain rearrangements.
AUTHOR: Happ, M.P.; Kiraly, A.S.; Offner, H.; Vandenbark, A.; **Heber-Katz, E.**
CORPORATE SOURCE: Wistar Inst., 36th St. at Spruce, Philadelphia, PA 19104, USA
SOURCE: J. NEUROIMMUNOL., (1988) vol. 19, no. 8, pp. 191-204.
DOCUMENT TYPE: Journal
FILE SEGMENT: F; N3
LANGUAGE: English
SUMMARY LANGUAGE: English

L5 ANSWER 87 OF 124 LIFESCI COPYRIGHT 2002 CSA
ACCESSION NUMBER: 88:25848 LIFESCI
TITLE: Overlapping T cell antigenic sites on a synthetic peptide fragment from herpes simplex virus glycoprotein D, the degenerate MHC restriction elicited, and functional evidence for antigen-Ia interaction.
AUTHOR: **Heber-Katz, E.**; Valentine, S.; Dietzschold, B.; Burns-Purzycki, C.
CORPORATE SOURCE: Wistar Inst. Anat. and Biol., Philadelphia, PA 19104, USA
SOURCE: J. EXP. MED., (1988) vol. 167, no. 2, pp. 275-287.
DOCUMENT TYPE: Journal
FILE SEGMENT: F; V
LANGUAGE: English
SUMMARY LANGUAGE: English

L5 ANSWER 88 OF 124 LIFESCI COPYRIGHT 2002 CSA
ACCESSION NUMBER: 88:6025 LIFESCI
TITLE: Differences in the repertoire of the Lewis rat T cell response to self and non-self myelin basic proteins.
AUTHOR: Happ, M.P.; **Heber-Katz, E.**
CORPORATE SOURCE: Wistar Inst., Philadelphia, PA 19104, USA
SOURCE: J. EXP. MED., (1988) vol. 187, no. 2, pp. 502-513.
DOCUMENT TYPE: Journal
FILE SEGMENT: F
LANGUAGE: English
SUMMARY LANGUAGE: English

L5 ANSWER 89 OF 124 LIFESCI COPYRIGHT 2002 CSA
ACCESSION NUMBER: 82:84090 LIFESCI
TITLE: The effect of antigen presentation on the fine specificity of anti-cytochrome c T cell hybridomas.
T CELL HYBRIDOMAS. A WORKSHOP AT THE BASEL INSTITUTE FOR IMMUNOLOGY.
AUTHOR: **Heber-Katz, E.**; Hansburg, D.; Schwartz, R.H.; von Boehmer, H. [editor]; Haas, W. [editor]; Koehler, G. [editor]; Melchers, F. [editor]; Zeuthen, J. [editor]; Buser-Boyd, S. [editor]
CORPORATE SOURCE: Natl. Inst. Allergy and Infect. Dis., Natl. Inst. Health, Build. 10, Rm. 11D14, Bethesda, MD 20205, USA
SOURCE: CURR. TOP. MICROBIOL. IMMUNOL., (1982) pp. 117-124.
Meeting Info.: Workshop on T Cell Hybridomas: Sources of Specific Mediators in the Immune System. Basel

(Switzerland). 27-29 Jan 1982.
ISBN: 3-540-11535-8.
DOCUMENT TYPE: Book
TREATMENT CODE: Conference
FILE SEGMENT: F
LANGUAGE: English

L5 ANSWER 90 OF 124 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 93226236 EMBASE
DOCUMENT NUMBER: 1993226236
TITLE: The V region disease hypothesis: New evidence suggests it is probably wrong.
AUTHOR: Wilson D.B.; Steinman L.; Gold D.P.; **Heber-Katz E.**; Acha-Orbea H.
CORPORATE SOURCE: San Diego Regional Cancer Centr, 3099 Science Park Road, San Diego, CA 92121, United States
SOURCE: Immunology Today, (1993) 14/8 (376-382).
ISSN: 0167-5699 CODEN: IMTOD8
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal; (Short Survey)
FILE SEGMENT: 005 General Pathology and Pathological Anatomy
008 Neurology and Neurosurgery
022 Human Genetics
026 Immunology, Serology and Transplantation
LANGUAGE: English
SUMMARY LANGUAGE: English

L5 ANSWER 91 OF 124 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 93188749 EMBASE
DOCUMENT NUMBER: 1993188749
TITLE: Shared T-cell receptor gene usage in experimental allergic neuritis and encephalomyelitis [1].
AUTHOR: Jung S.; Hartung H.-P.; Toyka K.V.; **Heber-Katz E.**
CORPORATE SOURCE: Multiple Sclerosis Research Group, Department of Neurology, Julius-Maximilians University, Wurzburg, Germany
SOURCE: Annals of Neurology, (1993) 34/1 (113-114).
ISSN: 0364-5134 CODEN: ANNED3
COUNTRY: United States
DOCUMENT TYPE: Journal; Letter
FILE SEGMENT: 008 Neurology and Neurosurgery
026 Immunology, Serology and Transplantation
029 Clinical Biochemistry
LANGUAGE: English

L5 ANSWER 92 OF 124 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 93183057 EMBASE
DOCUMENT NUMBER: 1993183057
TITLE: Erratum: In vivo expression of inducible nitric oxide synthase in experimentally induced neurologic diseases (Proceedings of the National Academy of Sciences of the United States of America (April 1, 1993) 90 (3024-3027)).
AUTHOR: Koprowski H.; Yong Mu Zheng; **Heber-Katz E.**; Fraser N.; Rorke L.; Zhen Fang Fu; Hanlon C.; Dietzschold B.
SOURCE: Proceedings of the National Academy of Sciences of the United States of America, (1993) 90/11 (5378).
ISSN: 0027-8424 CODEN: PNASA6
COUNTRY: United States
DOCUMENT TYPE: Journal; Errata
FILE SEGMENT: 008 Neurology and Neurosurgery
LANGUAGE: English

L5 ANSWER 93 OF 124 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 92231358 EMBASE
DOCUMENT NUMBER: 1992231358
TITLE: Observations, legends, and conjectures concerning restricted T-cell receptor usage and autoimmune disease.
AUTHOR: Esch T.; Clark L.; Zhang X.-M.; Goldman S.; **Heber-Katz E.**
CORPORATE SOURCE: Wistar Institute, 3601 Spruce Street, Philadelphia, PA 19104, United States
SOURCE: Critical Reviews in Immunology, (1991) 11/5 (249-264). ISSN: 1040-8401 CODEN: CCRIDE
COUNTRY: United States
DOCUMENT TYPE: Journal; General Review
FILE SEGMENT: 005 General Pathology and Pathological Anatomy
026 Immunology, Serology and Transplantation
030 Pharmacology
037 Drug Literature Index
LANGUAGE: English
SUMMARY LANGUAGE: English

L5 ANSWER 94 OF 124 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 91031747 EMBASE
DOCUMENT NUMBER: 1991031747
TITLE: Conserved T cell receptor V gene usage by uveitogenic T cells.
AUTHOR: Gregerson D.S.; Fling S.P.; Merryman C.F.; Zhang X.; Li X.;
Heber-Katz E.
CORPORATE SOURCE: Department of Ophthalmology, University of Minnesota, Minneapolis, MN 55455, United States
SOURCE: Clinical Immunology and Immunopathology, (1990) 58/1 (154-161). ISSN: 0090-1229 CODEN: CLIIAT
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 005 General Pathology and Pathological Anatomy
012 Ophthalmology
022 Human Genetics
025 Hematology
026 Immunology, Serology and Transplantation
LANGUAGE: English
SUMMARY LANGUAGE: English

L5 ANSWER 95 OF 124 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 77040204 EMBASE
DOCUMENT NUMBER: 1977040204
TITLE: Sheep red blood cell specific helper activity in rat thoracic duct lymphocyte populations positively selected for reactivity to specific strong histocompatibility alloantigens.
AUTHOR: **Heber Katz E.**; Wilson D.B.
CORPORATE SOURCE: Immunobiol. Res. Unit, Dept. Pathol., Univ. Pennsylvania Sch. Med., Philadelphia, Pa. 19174, United States
SOURCE: Journal of Experimental Medicine, (1976) 143/3 (701-706). CODEN: JEMEAV
DOCUMENT TYPE: Journal
LANGUAGE: English

L5 ANSWER 96 OF 124 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 76148576 EMBASE
DOCUMENT NUMBER: 1976148576
TITLE: Collaboration of allogeneic T and B lymphocytes in the primary antibody response to sheep erythrocytes in vitro.
AUTHOR: **Heber Katz E.**; Wilson D.B.
CORPORATE SOURCE: Immunobiol. Res. Unit, Dept. Pathol., Univ. Pennsylvania Sch. Med., Philadelphia, Pa. 19174, United States
SOURCE: Journal of Experimental Medicine, (1975) 142/4 (928-935).

CODEN: JEMEAV
DOCUMENT TYPE: Journal
FILE SEGMENT: 026 Immunology, Serology and Transplantation
025 Hematology
LANGUAGE: English

L5 ANSWER 97 OF 124 USPATFULL
ACCESSION NUMBER: 1998:143659 USPATFULL
TITLE: Method for generating an immunogenic T cell response protective against a virus
INVENTOR(S): **Heber-Katz, Ellen**, Philadelphia, PA, United States
Dietzschold, Bernhard, Newtown Square, PA, United States
PATENT ASSIGNEE(S): The Wistar Institute, Philadelphia, PA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5837249		19981117
APPLICATION INFO.:	US 1993-139609		19931020 (8)

RELATED APPLN. INFO.: Continuation of Ser. No. US 1992-868946, filed on 15 Apr 1992, now abandoned which is a continuation-in-part of Ser. No. US 1991-685459, filed on 12 Apr 1991, now abandoned which is a continuation-in-part of Ser. No. US 1987-47443, filed on 8 May 1987, now abandoned which is a continuation-in-part of Ser. No. US 1985-725087, filed on 19 Apr 1985, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Woodward, Michael P.
LEGAL REPRESENTATIVE: Banner & Witcoff, Ltd.
NUMBER OF CLAIMS: 21
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 9 Drawing Figure(s); 6 Drawing Page(s)
LINE COUNT: 1114
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 98 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2001:44505 BIOSIS
DOCUMENT NUMBER: PREV200100044505
TITLE: T cell differentiation in complementary models of murine experimental autoimmune meningitis.
AUTHOR(S): Perrin, Peter J. (1); Phillips, S. Michael (1); Beswick, Richard L. (1); Rumbley, Catherine A. (1); Clark, Lise; Otvos, Laszlo, Jr.; **Heber-Katz, Ellen**
CORPORATE SOURCE: (1) University of Pennsylvania Medical School, Philadelphia, PA USA
SOURCE: FASEB Journal, (April 20, 2000) Vol. 14, No. 6, pp. A997. print.
Meeting Info.: Joint Annual Meeting of the American Association of Immunologists and the Clinical Immunology Society Seattle, Washington, USA May 12-16, 2000
ISSN: 0892-6638.
DOCUMENT TYPE: Conference
LANGUAGE: English
SUMMARY LANGUAGE: English

L5 ANSWER 99 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1998:528946 BIOSIS
DOCUMENT NUMBER: PREV199800528946
TITLE: Tolerance induction in EAE with acylated peptides.
AUTHOR(S): St Louis, J. (1); Zhang, X.-M.; **Heber-Katz, E.**; Singh, B. (1); Strejan, G. H. (1)

CORPORATE SOURCE: (1) Univ. Western Ont., London, ON Canada
SOURCE: Journal of Neuroimmunology, (Sept. 1, 1998) Vol. 90, No. 1,
pp. 37.
Meeting Info.: Fifth International Congress of the International Society of Neuroimmunology Montreal, Canada August 23-27, 1998 International Society of Neuroimmunology
. ISSN: 0165-5728.
DOCUMENT TYPE: Conference
LANGUAGE: English

L5 ANSWER 100 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1995:518964 BIOSIS
DOCUMENT NUMBER: PREV199598533264
TITLE: The relationship between human multiple sclerosis and rodent experimental allergic encephalomyelitis.
AUTHOR(S): **Heber-Katz, Ellen**
CORPORATE SOURCE: Wistar Inst., 3601 Spruce St., Philadelphia, PA 19104 USA
SOURCE: Davis, M. M. [Editor]; Buxbaum, J. [Editor]. Annals of the New York Academy of Sciences, (1995) Vol. 756, pp. 283-293.
Annals of the New York Academy of Sciences; T-cell receptor
use in human autoimmune diseases.
Publisher: New York Academy of Sciences 2 East 63rd Street,
New York, New York 10021, USA.
Meeting Info.: Conference San Diego, California, USA April 17-20, 1994
ISSN: 0077-8923. ISBN: 0-89766-916-9 (paper), 0-89766-915-0
(cloth).
DOCUMENT TYPE: Book; Conference
LANGUAGE: English

L5 ANSWER 101 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1994:459413 BIOSIS
DOCUMENT NUMBER: PREV199497472413
TITLE: Is experimental allergic encephalomyelitis: A model of multiple sclerosis.
AUTHOR(S): **Heber-Katz, Ellen**
CORPORATE SOURCE: Wistar Inst., 3601 Spruce Street, Philadelphia, PA 19104 USA
SOURCE: Coutinho, A. [Editor]; Kazatchkine, M. D. [Editor]. (1994) pp. 353-364. Autoimmunity: Physiology and disease.
Publisher: Wiley-Liss, Inc. 605 Third Avenue, New York, New
York 10158-0012, USA.
ISBN: 0-471-59227-7.
DOCUMENT TYPE: Book
LANGUAGE: English

L5 ANSWER 102 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1993:334535 BIOSIS
DOCUMENT NUMBER: PREV199345029260
TITLE: Oral tolerance in experimental autoimmune encephalomyelitis
(EAE): T cell anergy.
AUTHOR(S): Whitacre, Caroline (1); Gienapp, Ingrid; Cox, Karen; Jewell, Scott; Javed, Najima; Goldman, Shari; **Heber-Katz, Ellen**
CORPORATE SOURCE: (1) Ohio State University, Columbus, OH 43210 USA
SOURCE: Journal of Immunology, (1993) Vol. 150, No. 8 PART 2, pp. 245A.
Meeting Info.: Joint Meeting of the American Association of

Immunologists and the Clinical Immunology Society Denver, Colorado, USA May 21-25, 1993
ISSN: 0022-1767.
DOCUMENT TYPE: Conference
LANGUAGE: English

L5 ANSWER 103 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1991:335695 BIOSIS
DOCUMENT NUMBER: BR41:32245
TITLE: INHIBITION OF EAE INDUCTION BY NONENCEPHALITOGENIC CD4-NEGATIVE CD8-NEGATIVE V-ALPHA-2V-BETA-8.2-PLUS ANTI-MYELIN BASIC PROTEIN RAT T CELL CLONE.
AUTHOR(S): LIDER O; EPPERSON D; ZHANG X; **HEBER-KATZ E**; WEINER H L; MILLER A
CORPORATE SOURCE: REHOVOT, ISRAEL.
SOURCE: 43RD ANNUAL MEETING OF THE AMERICAN ACADEMY OF NEUROLOGY, BOSTON, MASSACHUSETTS, USA, APRIL 20-27, 1991. NEUROLOGY, (1991) 41 (3 SUPPL 1), 317.
CODEN: NEURAI. ISSN: 0028-3878.
DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

L5 ANSWER 104 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1991:332129 BIOSIS
DOCUMENT NUMBER: BR41:28679
TITLE: NEUROANTIGEN-SPECIFIC IMMUNE TOLERANCE IN EXPERIMENTAL AUTOIMMUNE NEURITIS.
AUTHOR(S): GREGORIAN S K; **HEBER-KATZ E**; ROSTAMI A
CORPORATE SOURCE: DEP. NEUROL., IMMUNOL. GRADUATE GROUP, UNIV. PENNSYLVANIA, SCH. MED., PHILADELPHIA, PA. 19104.
SOURCE: 75TH ANNUAL MEETING OF THE FEDERATION OF AMERICAN SOCIETIES
FOR EXPERIMENTAL BIOLOGY, ATLANTA, GEORGIA, USA, APRIL 21-25, 1991. FASEB (FED AM SOC EXP BIOL) J, (1991) 5 (6), A1777.
CODEN: FAJOEC. ISSN: 0892-6638.
DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

L5 ANSWER 105 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1991:196241 BIOSIS
DOCUMENT NUMBER: BR40:93521
TITLE: FURTHER STUDIES ON THE V-REGION DISEASE HYPOTHESIS.
AUTHOR(S): **HEBER-KATZ E**
CORPORATE SOURCE: WISTAR INST., PHILADELPHIA, PA. 19104.
SOURCE: SYMPOSIUM ON SELF REACTIVITY AND ITS REGULATION HELD AT THE
20TH ANNUAL MEETING OF THE KEYSTONE SYMPOSIA ON MOLECULAR AND CELLULAR BIOLOGY, KEYSTONE, COLORADO, USA, JANUARY 17-24, 1991. J CELL BIOCHEM SUPPL, (1991) 0 (15 PART A), 231.
CODEN: JCBSD7.
DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

L5 ANSWER 106 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1990:436981 BIOSIS
DOCUMENT NUMBER: BR39:84842
TITLE: A NEW HIERARCHY OF TCR SPECIFICITY AUTOIMMUNE DISEASES ARE DEFINED BY PARTICULAR V-ALPHA-V-BETA COMBINATIONS AND NOT BY ANTIGEN SPECIFICITY.
AUTHOR(S): **HEBER-KATZ E**
CORPORATE SOURCE: WISTAR INST. ANAT. AND BIOL., PHILADELPHIA, PA. 19104.

SOURCE: COLD SPRING HARBOR LABORATORY. COLD SPRING HARBOR SYMPOSIA ON QUANTITATIVE BIOLOGY, VOL. 54. NOS. 1 AND 2. IMMUNOLOGICAL RECOGNITION. XIX+603P.(NO. 1); XI+PAGINATION VARIES(NO. 2) COLD SPRING HARBOR LABORATORY PRESS: COLD SPRING HARBOR, NEW YORK, USA. ILLUS, (1989 (1990)) 0 (0), 875-878.
CODEN: CSHSAZ. ISSN: 0091-7451. ISBN: 0-87969-057-7 (CLOTH), 0-87969-058-5 (PAPER).
DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

L5 ANSWER 107 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1990:324911 BIOSIS
DOCUMENT NUMBER: BR39:32247
TITLE: ORAL TOLERANCE IN EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS
EAE A SEARCH FOR THE MBP-SPECIFIC T CELL RECEPTOR.
AUTHOR(S): WHITACRE C C; GIENAPP I E; ZHANG X; **HEBER-KATZ E**
CORPORATE SOURCE: THE OHIO STATE UNIV. COLL. MED., COLUMBUS, OHIO 43210, USA.
SOURCE: JOINT MEETING OF THE AMERICAN SOCIETY FOR BIOCHEMISTRY AND MOLECULAR BIOLOGY AND THE AMERICAN ASSOCIATION OF IMMUNOLOGISTS, NEW ORLEANS, LOUISIANA, USA, JUNE 4-7, 1990.
FASEB (FED AM SOC EXP BIOL) J, (1990) 4 (7), A1856.
CODEN: FAJOEC. ISSN: 0892-6638.
DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

L5 ANSWER 108 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1989:234621 BIOSIS
DOCUMENT NUMBER: BR36:113105
TITLE: AG PRESENTATION BY TRANSGENIC IE-POSITIVE BETA CELLS.
AUTHOR(S): MARKMANN J F; LO D; NAJI A; PALMITTER R; BRINSTER R; **HEBER-KATZ E**
CORPORATE SOURCE: UNIV. PENNSYLVANIA, PHILADELPHIA, PA. 19104.
SOURCE: 73RD ANNUAL MEETING OF THE FEDERATION OF AMERICAN SOCIETIES FOR EXPERIMENTAL BIOLOGY, NEW ORLEANS, LOUISIANA, USA, MARCH 19-23, 1989. FASEB (FED AM SOC EXP BIOL) J, (1989) 3 (3), A301.
CODEN: FAJOEC. ISSN: 0892-6638.
DOCUMENT TYPE: Conference
FILE SEGMENT: BP; OLD
LANGUAGE: English

L5 ANSWER 109 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1989:93718 BIOSIS
DOCUMENT NUMBER: BR36:39809
TITLE: PATHWAYS TO PRESENTATION.
AUTHOR(S): **HEBER-KATZ E**; WATARI E; DIETZSCHOLD B
CORPORATE SOURCE: WISTAR INST., PHILADELPHIA, PA. 19103.
SOURCE: PERNIS, B., S. G. SILVERSTEIN AND H. J. VOGEL (ED.). PROCESSING AND PRESENTATION OF ANTIGENS; P AND S BIOMEDICAL SCIENCES SYMPOSIUM, NEW YORK, NEW YORK, USA, MAY 30-JUNE 1, 1986. XIV+324P. ACADEMIC PRESS, INC.: SAN DIEGO, CALIFORNIA, USA; LONDON, ENGLAND, UK. ILLUS, (1988) 0 (0), 133-142.
ISBN: 0-12-551855-2.
FILE SEGMENT: BR; OLD
LANGUAGE: English

L5 ANSWER 110 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1988:103400 BIOSIS
DOCUMENT NUMBER: BP34:49742
TITLE: THE LEW RAT T CELL RESPONSE REPERTOIRE TO AN AUTOANTIGEN AND ITS REGULATION BY ANTI-T CELL RECEPTOR ANTIBODY.
AUTHOR(S): **HEBER-KATZ E**; OWHASHI M; HAPP M P
CORPORATE SOURCE: WISTAR INST., 3601 SPRUCE ST., PHILADELPHIA, PA. 19104, USA.
SOURCE: SECOND INTERNATIONAL CONGRESS OF NEUROIMMUNOLOGY, PHILADELPHIA, PENNSYLVANIA, USA, SEPTEMBER 8-11, 1987. J NEUROIMMUNOL, (1987) 16 (1), 75.
CODEN: JNRIDW. ISSN: 0165-5728.
DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

L5 ANSWER 111 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1987:411814 BIOSIS
DOCUMENT NUMBER: BP33:81492
TITLE: A NEW PATHWAY TO ANTIGEN PRESENTATION.
AUTHOR(S): **HEBER-KATZ E**; WATARI E; DIETZSCHOLD B
CORPORATE SOURCE: WISTAR INST., PHILADELPHIA, PA. 19104.
SOURCE: SYMPOSIUM ON THE T CELL RECEPTOR HELD AT THE 16TH ANNUAL MEETING OF THE UCLA (UNIVERSITY OF CALIFORNIA-LOS ANGELES) SYMPOSIA ON MOLECULAR AND CELLULAR BIOLOGY, LOS ANGELES, CALIFORNIA, USA, APRIL 26-MAY 1, 1987. J CELL BIOCHEM SUPPL, (1987) 0 (11 PART D), 288.
CODEN: JCBSD7.
DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

L5 ANSWER 112 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1987:411719 BIOSIS
DOCUMENT NUMBER: BR33:81397
TITLE: THE T CELL RESPONSE IN EXPERIMENTAL ALLERGIC ENCEPHALOMYELITIS CLONALITY AT THE LEVEL OF ANTIGEN SPECIFICITY AND T CELL RECEPTOR GENE REARRANGEMENTS.
AUTHOR(S): HAPP M P; KIRALY A S; OFFNER H; VANDENBARK A; **HEBER-KATZ E**
CORPORATE SOURCE: WISTAR INST., PHILADELPHIA, PA. 19104.
SOURCE: SYMPOSIUM ON THE T CELL RECEPTOR HELD AT THE 16TH ANNUAL MEETING OF THE UCLA (UNIVERSITY OF CALIFORNIA-LOS ANGELES) SYMPOSIA ON MOLECULAR AND CELLULAR BIOLOGY, LOS ANGELES, CALIFORNIA, USA, APRIL 26-MAY 1, 1987. J CELL BIOCHEM SUPPL, (1987) 0 (11 PART D), 256.
CODEN: JCBSD7.
DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

L5 ANSWER 113 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1987:75678 BIOSIS
DOCUMENT NUMBER: BR32:35871
TITLE: SPECIFIC LONG-TERM PROTECTION FROM A LETHAL HERPES SIMPLEX VIRUS INFECTION IN THE ABSENCE OF A DETECTABLE ANTIBODY RESPONSE.
AUTHOR(S): **HEBER-KATZ E**; WATARI E; DIETZSCHOLD B
CORPORATE SOURCE: WISTAR INST., PHILADELPHIA, PA. 19104.
SOURCE: BROWN, F., R. M. CHANOCK AND R. A. LERNER (ED.). NEW APPROACHES TO IMMUNIZATION: DEVELOPING VACCINES AGAINST PARASITIC, BACTERIAL, AND VIRAL DISEASES; CONFERENCE ON VACCINES 86, COLD SPRING HARBOR, N.Y., USA. XXI+418P. COLD SPRING HARBOR LABORATORY: COLD SPRING HARBOR, N.Y., USA. ILLUS. PAPER, (1986) 0 (0), 65-70.
ISBN: 0-87969-190-5.

FILE SEGMENT: BR; OLD
LANGUAGE: English

L5 ANSWER 114 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1986:230859 BIOSIS
DOCUMENT NUMBER: BR30:113355
TITLE: RESISTANCE TO EXPERIMENTAL ALLERGIC ENCEPHALOMYELITIS REGULATION BY NON-MAJOR HISTOCOMPATIBILITY COMPLEX GENES.
AUTHOR(S): HAPP M P; WETTSTEIN P; **HEBER-KATZ E**
CORPORATE SOURCE: WISTAR INSTITUTE, PHILADELPHIA, PA. 19104.
SOURCE: SYMPOSIUM ON IMMUNE REGULATION BY CHARACTERIZED POLYPEPTIDES HELD AT THE 15TH ANNUAL UCLA (UNIVERSITY OF CALIFORNIA-LOS ANGELES) MEETING ON MOLECULAR AND CELLULAR BIOLOGY, LOS ANGELES, CALIF., USA, JAN. 25-FEB. 1, 1986. J CELL BIOCHEM SUPPL, (1986) 0 (10 PART A), 98.
CODEN: JCBSD7.
DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

L5 ANSWER 115 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1986:66338 BIOSIS
DOCUMENT NUMBER: BR30:66338
TITLE: THE MURINE T CELL RESPONSE TO THE GLYCOPROTEIN D OF HERPES SIMPLEX VIRUS.
AUTHOR(S): **HEBER-KATZ E**; HOLLOSI M; DIETSCHOLD B; HEDECZ F; FASMAN G
CORPORATE SOURCE: WISTAR INST., PHILADELPHIA, PA. 19104.
SOURCE: LAVER, W. G. AND G. M. AIR (ED.). CURRENT COMMUNICATIONS IN MOLECULAR BIOLOGY: IMMUNE RECOGNITION OF PROTEIN ANTIGENS; MEETING, COLD SPRING HARBOR, N.Y., USA, MAR. 1985. X+197P. COLD SPRING HARBOR LABORATORY: COLD SPRING HARBOR, N.Y., USA. ILLUS. PAPER, (1985) 0 (0), 134-138.
ISBN: 0-87969-185-9.
FILE SEGMENT: BR; OLD
LANGUAGE: English

L5 ANSWER 116 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1986:25225 BIOSIS
DOCUMENT NUMBER: BR30:25225
TITLE: STRUCTURE-FUNCTION RELATIONSHIP IN IMMUNOGENIC SYNTHETIC HERPES SIMPLEX VIRUS PEPTIDES.
AUTHOR(S): DIETZSCHOLD B; **HEBER-KATZ E**; HUDECZ F; HOLLOSI M; FASMAN G; EISENBERG R J; COHEN G H
CORPORATE SOURCE: WISTAR INST. ANAT. AND BIOL., PHILADELPHIA, PA. 19104.
SOURCE: LERNER, R. A., R. M. CHANOCK AND F. BROWN (ED.). VACCINES 85: MOLECULAR AND CHEMICAL BASIS OF RESISTANCE TO PARASITIC, BACTERIAL, AND VIRAL DISEASES; MEETING, 1983. XXI+407P. COLD SPRING HARBOR LABORATORY: COLD SPRING HARBOR, N.Y., USA. ILLUS. PAPER, (1985) 0 (0), 227-234.
ISBN: 0-87969-191-6.
FILE SEGMENT: BR; OLD
LANGUAGE: English

L5 ANSWER 117 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1985:87455 BIOSIS
DOCUMENT NUMBER: BR28:87455
TITLE: CONFORMATION OF SYNTHETIC PEPTIDES OF HERPES SIMPLEX VIRUS GLYCOPROTEIN D-GD.
AUTHOR(S): HOLLOSI M; DIETZSCHOLD B; **HEBER-KATZ E**; HUDECZ F; VARRICHIO A; FASMAN G D
CORPORATE SOURCE: GRADUATE DEPARTMENT OF BIOCHEMISTRY, BRANDEIS UNIVERISTY, WALTHAM, MA.
SOURCE: 188TH AMERICAN CHEMICAL SOCIETY MEETING, PHILADELPHIA, PA.,

USA, AUG. 26-31, 1984. ABSTR PAP AM CHEM SOC, (1984) 188 (0), NO PAGINATION.
CODEN: ACSRAL. ISSN: 0065-7727.

DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

L5 ANSWER 118 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1984:127846 BIOSIS
DOCUMENT NUMBER: BR27:44338
TITLE: GENETIC CONTROL OF THE T CELL RESPONSE TO PEPTIDES OF THE GLYCO PROTEIN D-GD OF HERPES SIMPLEX VIRUS.

AUTHOR(S): **HEBER-KATZ E**; DIETZSCHOLD B
CORPORATE SOURCE: WISTAR INST., PHILADELPHIA, PA. 19104.
SOURCE: SYMPOSIUM ON REGULATION OF THE IMMUNE SYSTEM HELD AT THE 13TH ANNUAL UCLA (UNIVERSITY OF CALIFORNIA - LOS ANGELES) SYMPOSIA, LOS ANGELES, CALIF., USA, MAR. 18-25, 1984. J CELL BIOCHEM, (1984) 0 (8 PART A), 103.
CODEN: JCBSD7.

DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

L5 ANSWER 119 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1982:95660 BIOSIS
DOCUMENT NUMBER: BR23:25552
TITLE: PROOF OF ANTIGEN IA INTERACTION SHOWN BY THE SPECIFICITY OF
ANTIGEN INDUCED ACTIVATION OF T CELL HYBRIDOMAS.

AUTHOR(S): **HEBER-KATZ E**; HANSBURG D; SCHWARTZ R H
CORPORATE SOURCE: NIH, BETHESDA, MD., 20014.
SOURCE: 66TH ANNUAL MEETING OF THE FEDERATION OF AMERICAN SOCIETIES
FOR EXPERIMENTAL BIOLOGY, NEW ORLEANS, LA., USA, APRIL 19-23, 1982. FED PROC, (1982) 41 (3), ABSTRACT 1216.
CODEN: FEPRA7. ISSN: 0014-9446.

DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

L5 ANSWER 120 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1982:84816 BIOSIS
DOCUMENT NUMBER: BR23:14808
TITLE: I REGION RESTRICTED ANTIGEN PRESENTATION BY B CELL B LYMPHOMA CELL HYBRIDOMAS.

AUTHOR(S): GLIMCHER L; HAMANO T; ASOFSKY R; **HEBER-KATZ E**; HEDRICK S; GREEN I; PAUL W E
CORPORATE SOURCE: NIH, BETHESDA, MD. 20205.
SOURCE: 66TH ANNUAL MEETING OF THE FEDERATION OF AMERICAN SOCIETIES
FOR EXPERIMENTAL BIOLOGY, NEW ORLEANS, LA., USA, APRIL 19-23, 1982. FED PROC, (1982) 41 (3), ABSTRACT 2636.
CODEN: FEPRA7. ISSN: 0014-9446.

DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

L5 ANSWER 121 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1981:90800 BIOSIS
DOCUMENT NUMBER: BR21:25796
TITLE: IDIOTYPE ANTI IDIOTYPE PATHWAYS AND THE REGULATION OF IMMUNE RESPONSES.

AUTHOR(S): PAUL W E; **HEBER-KATZ E**; BONA C
CORPORATE SOURCE: NIH, BETHESDA, MD. 20205.
SOURCE: 65TH ANNUAL MEETING OF THE FEDERATION OF AMERICAN SOCIETIES

FOR EXPERIMENTAL BIOLOGY, ATLANTA, GA., USA, APRIL 12-17, 1981. FED PROC, (1981) 40 (3 PART 2), 1008.
CODEN: FEPRA7. ISSN: 0014-9446.

DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

L5 ANSWER 122 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1978:70733 BIOSIS
DOCUMENT NUMBER: BR15:14233
TITLE: CONSIDERATIONS OF THE NATURE AND SPECIFICITY OF THYMUS DERIVED CELL TRIGGERING AND OF CELL-CELL INTERACTIONS IN THE IMMUNE RESPONSE.
AUTHOR(S): WILSON D B; **HEBER-KATZ E**; MARSHAK A; LINDAHL K F
SOURCE: COOPER, MAX D. AND DELBERT H. DAYTON (ED.). MONOGRAPH OF THE NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT. DEVELOPMENT OF HOST DEFENSES. CONFERENCE, MAY 1976. XIV+306P. ILLUS. RAVEN PRESS: NEW YORK, N.Y., USA, (1977) 133-140.
ISBN: 0-89004-117-2.
FILE SEGMENT: BR; OLD
LANGUAGE: Unavailable

L5 ANSWER 123 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1978:888 BIOSIS
DOCUMENT NUMBER: BR14:888
TITLE: ON THE POSSIBILITY OF MULTIPLE THYMUS DERIVED CELL RECEPTORS.
AUTHOR(S): WILSON D B; **HEBER-KATZ E**; SPRENT J; HOWARD J C
SOURCE: COLD SPRING HARBOR LAB. COLD SPRING HARBOR SYMPOSIA ON QUANTITATIVE BIOLOGY, VOL. 41, PARTS 1 AND 2. ORIGINS OF LYMPHOCYTE DIVERSITY. COLD SPRING HARBOR, N.Y., USA, 1976. XXII+437P(PART 1); XII+509P(PART 2). ILLUS. COLD SPRING HARBOR LABORATORY: COLD SPRING HARBOR, N.Y., USA, (1977) 559-561.
ISBN: 0-87696-040-2.
FILE SEGMENT: BR; OLD
LANGUAGE: Unavailable

L5 ANSWER 124 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1976:37624 BIOSIS
DOCUMENT NUMBER: BR12:37624
TITLE: RAT THYMUS DERIVED CELLS POSITIVELY SELECTED FOR RESPONSIVENESS TO ALLO ANTIGENS OF A MAJOR HISTO COMPATIBILITY COMPLEX HAPLOTYPE SHOW UNALTERED SHEEP RED BLOOD CELL SPECIFIC HELPER ACTIVITY.
AUTHOR(S): **HEBER-KATZ E**; WILSON D B
SOURCE: Fed. Proc., (1976) 35 (3), 627.
CODEN: FEPRA7. ISSN: 0014-9446.
DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: Unavailable

=> s propylthiouracil and (cardiac or heart)

L6 1092 PROPYLTHIOURACIL AND (CARDIAC OR HEART)

=> s propylthiouracil (p) (cardiac or heart)

L7 486 PROPYLTHIOURACIL (P) (CARDIAC OR HEART)

=> s l7 and (heal? or wound or scar)

L8 15 L7 AND (HEAL? OR WOUND OR SCAR)

=> dup rem l8

PROCESSING COMPLETED FOR L8
L9 13 DUP REM L8 (2 DUPLICATES REMOVED)

=> d l9 ibib abs tot

L9 ANSWER 1 OF 13 USPATFULL
ACCESSION NUMBER: 2002:209575 USPATFULL
TITLE: Controlled release oral dosage for suitable for oral administration
INVENTOR(S): Mulye, Nirmal, Long Beach, NY, United States
PATENT ASSIGNEE(S): Norstrum Pharmaceuticals, Inc., Long Beach, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6437000	B1	20020820
APPLICATION INFO.:	US 2000-650837		20000830 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-152114P	19990902 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Pryor, Alton
LEGAL REPRESENTATIVE: Scully, Scott, Murphy & Presser
NUMBER OF CLAIMS: 38
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)
LINE COUNT: 826
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to a pharmaceutical composition, preferably in the form of a tablet comprising a therapeutically effective amount of a medicament in a carrier comprising a water insoluble polymer and a water-insoluble inorganic salt.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 2 OF 13 USPATFULL
ACCESSION NUMBER: 2002:152387 USPATFULL
TITLE: Correcting diastolic dysfunction in heart failure
INVENTOR(S): Metzger, Joseph M., Ann Arbor, MI, United States
PATENT ASSIGNEE(S): The Regents of The University of Michigan, Ann Arbor, MI, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6410236	B1	20020625
APPLICATION INFO.:	US 1999-387919		19990901 (9)

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Clark, Deborah J. R.
ASSISTANT EXAMINER: Brunovskis, Peter
LEGAL REPRESENTATIVE: Medlen & Carroll, LLP
NUMBER OF CLAIMS: 3
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 9 Drawing Figure(s); 9 Drawing Page(s)
LINE COUNT: 1528
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to the overexpression of a calcium binding protein in cardiac myocytes in vivo and in vitro, and in particular, to the correction of diastolic dysfunction. Expression of the calcium binding protein parvalbumin in cardiac myocytes results in an increase

in the rate of relaxation of the cardiac myocyte, in vivo and in vitro. The parvalbumin is expressed from an adenovirus vector, adeno-associated virus vector, or gutted adenovirus vector. The transfected in vivo and in vitro cardiac myocytes are also useful in drug screens.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 3 OF 13 USPATFULL

ACCESSION NUMBER:	2001:150697 USPATFULL			
TITLE:	Delivery of oral drugs			
INVENTOR(S):	Staniforth, John, Bath, Great Britain Tobyn, Michael, Wileshire, Great Britain			
	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2001020147	A1	20010906	
APPLICATION INFO.:	US 2001-793304	A1	20010226	(9)
	NUMBER		DATE	
PRIORITY INFORMATION:	GB 2000-4701		20000228	
	GB 2000-9023		20000412	
DOCUMENT TYPE:	Utility			
FILE SEGMENT:	APPLICATION			
LEGAL REPRESENTATIVE:	DAVIDSON, DAVIDSON & KAPPEL, LLC, 485 Seventh Avenue, 14th Floor, New York, NY, 10018			
NUMBER OF CLAIMS:	91			
EXEMPLARY CLAIM:	1			
NUMBER OF DRAWINGS:	18 Drawing Page(s)			
LINE COUNT:	2247			

AB Disclosed is a system for delivery of a drug comprising a multiple unit dosing device comprising a housing and an actuator, said device containing multiple doses of multiparticulates comprising drug particles, said device upon actuation delivering a unit dose of said multiparticulates, said drug particles having a mean diameter of greater than 10 .mu.m to about 1 mm such that an effective dose of said drug cannot be delivered into the lower lung of a human patient. Also disclosed are novel methods, devices and dosage forms for delivering a drug.

L9 ANSWER 4 OF 13 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER:	2001113245 EMBASE
TITLE:	Congenital thyrotoxicosis in premature infants.
AUTHOR:	Smith C.; Thomsett M.; Choong C.; Rodda C.; McIntyre H.D.; Cotterill A.M.
CORPORATE SOURCE:	Dr. A.M. Cotterill, Dept. of Paediatric Endocrinology, Mater Children's Hospital, Brisbane, QLD 4101, Australia
SOURCE:	Clinical Endocrinology, (2001) 54/3 (371-376). Refs: 19 ISSN: 0300-0664 CODEN: CLENAO
COUNTRY:	United Kingdom
DOCUMENT TYPE:	Journal; Article
FILE SEGMENT:	003 Endocrinology 007 Pediatrics and Pediatric Surgery 037 Drug Literature Index 038 Adverse Reactions Titles
LANGUAGE:	English
SUMMARY LANGUAGE:	English

AB OBJECTIVES: Graves' disease (GD) complicates 0.1% to 0.2% of pregnancies, but congenital thyrotoxicosis is rare occurring in one in 70 of these pregnancies independent of maternal disease status. Antenatal prediction of affected infants is imprecise; however, maternal history, coupled with a high maternal serum TSH receptor binding immunoglobulin index (TBII)

predict adverse neonatal outcome. Mortality is reported to be as high as 25% in affected infants and would therefore be expected to be higher in premature infants. This study illustrates that in sick, premature, extreme low birth weight (ELBW) or intrauterine growth retarded (IUGR) infants, the diagnosis maybe overlooked especially in the absence of antenatal risk assessment and management of thyrotoxicosis in this setting is complex. DESIGN and PATIENTS: The records of premature neonates born at the three main maternity units in Brisbane, between January 1996 and July 1998 diagnosed with congenital thyrotoxicosis were reviewed. Data were recorded on gestational age, birth weight (B Wt), maternal thyroid history and current status, and neonatal course. Thyroid function and TBII status was assessed using standard biochemical assays. RESULTS: Seven neonates from five pregnancies were identified (four female, three male). Mean gestational age was 30 week (25-36 week) and median B Wt was 1.96 kg (0.50-2.62 kg). Only one mother received formal antenatal counselling by a paediatric endocrine service and had a TBII (54%) measured prior to delivery. Three of five mothers had elevated TBII measured after diagnosis in their offspring (57%, 65%, 83%) and in one mother, a TBII was not performed. All mothers were biochemically euthyroid at delivery. Mean age at diagnosis was 9 days (1-16 days) and mean age at commencement of treatment was 12 days (7-26 days). Two infants received **propylthiouracil** and five received a combination of carbimazole and propranolol. Four became biochemically hypothyroid, in three this resolved with cessation of the antithyroid drug (ATD), and one required ongoing T4 supplementation. Only one infant required treatment for **cardiac** failure and there were no deaths in this cohort. CONCLUSIONS: This is a large series of extremely small and premature infants with neonatal thyrotoxicosis. Presentation was nonspecific. The diagnosis was delayed because of low birth weight, prematurity, multiple birth and/or an unrecognized maternal history of Graves' disease. The treatment of neonatal thyrotoxicosis was difficult in these extreme low birth weight infants yet no infant died and significant morbidity was confined to high output **cardiac** failure in one infant. With antenatal recognition of past or active Graves' disease, assessment of maternal TSH receptor binding immunoglobulin index prior to delivery and postnatal monitoring of cord TSH and venous fT4 and TSH on days 4 and 7 rapid treatment of affected infants may have further reduced neonatal morbidity.

L9 ANSWER 5 OF 13 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1996:469712 BIOSIS
DOCUMENT NUMBER: PREV199699192068
TITLE: Consensus statement for good practice and audit measures in the management of hypothyroidism and hyperthyroidism.
AUTHOR(S): Vanderpump, M. P. J.; Ahlquist, J. A. O.; Franklyn, J. A.; Clayton, R. N. (1)
CORPORATE SOURCE: (1) Dep. Diabetes Endocrinol., City Gen. Hosp., Stoke on Trent ST4 6QG UK
SOURCE: British Medical Journal, (1996) Vol. 313, No. 7056, pp. 539-544.
ISSN: 0959-8138.
DOCUMENT TYPE: Standard
LANGUAGE: English

DUPLICATE 1

L9 ANSWER 6 OF 13 MEDLINE
ACCESSION NUMBER: 96200639 MEDLINE
DOCUMENT NUMBER: 96200639 PubMed ID: 8677108
TITLE: Successful treatment of recurrent non-immune hydrops secondary to fetal hyperthyroidism.
AUTHOR: Treadwell M C; Sherer D M; Sacks A J; Ghezzi F; Romero R

CORPORATE SOURCE: Department of Obstetrics and Gynecology, Hutzel Hospital/Wayne State University, Detroit, Michigan, USA.
SOURCE: OBSTETRICS AND GYNECOLOGY, (1996 May) 87 (5 Pt 2) 838-40.
Journal code: 0401101. ISSN: 0029-7844.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 199608
ENTRY DATE: Entered STN: 19960822
Last Updated on STN: 19960822
Entered Medline: 19960815

AB BACKGROUND: Non-immune fetal hydrops is a heterogeneous disorder with a mortality rate of 50-98%. Resolution of non-immune fetal hydrops is rare but has been reported to occur spontaneously or after targeted therapeutic measures. CASE: A euthyroid gravida with Graves disease presented with a history of three prior perinatal deaths between 26 and 28 weeks' gestation, all associated with fetal hydrops. In the current pregnancy, the fetus developed hydrops at 24 weeks' gestation. Fetal hyperthyroidism, with high-output **cardiac** failure, was diagnosed with fetal blood sampling. After maternal therapy with **propylthiouracil**, resolution of the non-immune hydrops were documented and a **healthy** neonate subsequently delivered to term. The neonate developed transient hyperthyroidism after delivery, which required treatment for 10 weeks. CONCLUSION: Non-immune hydrops occurring as a result of fetal hyperthyroidism with high output **cardiac** failure is treatable with **propylthiouracil**.

L9 ANSWER 7 OF 13 USPATFULL
ACCESSION NUMBER: 94:88500 USPATFULL
TITLE: Controlled release powder and process for its preparation
INVENTOR(S): Sparks, Randall T., Gainesville, GA, United States
Geoghegan, Edward J., Westmeath, Ireland
PATENT ASSIGNEE(S): Elan Corporation, plc, Athlone, Ireland (non-U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 5354556		19941011	
APPLICATION INFO.:	US 1990-537065		19900709	(7)
DISCLAIMER DATE:	20070828			

RELATED APPLN. INFO.: Continuation of Ser. No. US 1988-169447, filed on 17 Mar 1988, now patented, Pat. No. US 4952402 which is a continuation of Ser. No. US 1985-792801, filed on 30 Oct 1985, now patented, Pat. No. US 4940588

	NUMBER	DATE
PRIORITY INFORMATION:	IE 1984-278884	19841030

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Page, Thurman K.
ASSISTANT EXAMINER: Harrison, R.
LEGAL REPRESENTATIVE: Church, Marla J.
NUMBER OF CLAIMS: 12
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 16 Drawing Figure(s); 16 Drawing Page(s)
LINE COUNT: 1139
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A controlled release powder containing discrete micro-particles for use in edible, pharmaceutical and other controlled release compositions is disclosed. The micro-particles have an average size in the range of from

0.1 to 125 .mu.m. Each of the micro-particles is in the form of a micromatrix of an active ingredient uniformly distributed in at least one non-toxic polymer. The micro-particles have a predetermined release of active ingredient when the dissolution rate thereof is measured according to the Paddle Method of U.S. Pharmacopoeia XX at 37.degree. C.
and 75 r.p.m.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 8 OF 13 USPATFULL

ACCESSION NUMBER:	90:91090 USPATFULL
TITLE:	Synthetic peptides derived from the alpha-subunit of human lycoprotein hormones
INVENTOR(S):	Ryan, Robert J., Rochester, MN, United States McCormick, Daniel J., Rochester, MN, United States Morris, John C., Rochester, MN, United States Charlesworth, M. Cristine, Rochester, MN, United States
PATENT ASSIGNEE(S):	Mayo Foundation for Medical Education and Research, Rochester, MN, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4973578		19901127
APPLICATION INFO.:	US 1988-169375		19880317 (7)

DOCUMENT TYPE:	Utility
FILE SEGMENT:	Granted
PRIMARY EXAMINER:	Moezie, F. T.
LEGAL REPRESENTATIVE:	Merchant, Gould, Smith, Edell, Welter & Schmidt, P.A.
NUMBER OF CLAIMS:	7
EXEMPLARY CLAIM:	1
NUMBER OF DRAWINGS:	12 Drawing Figure(s); 8 Drawing Page(s)
LINE COUNT:	809

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Synthetic peptides corresponding to .alpha.-subunit of human glycoprotein hormone amino acid regions .alpha.31-45, .alpha.21-35, .alpha.26-46 and .alpha.81-92; were found to inhibit binding of 125.sub.I-bTSH to human thyroid. Peptides corresponding to regions .alpha.26-46 and .alpha.31-45 were also found to potently inhibit the stimulation of adenylate cyclase activity by bTSH in a TSH bioassay using FRTL-5 cells and block the action of thyroid stimulating immunoglobulin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 9 OF 13 USPATFULL

ACCESSION NUMBER:	90:67456 USPATFULL
TITLE:	Controlled release powder and process for its preparation
INVENTOR(S):	Sparks, Randall T., Gainesville, GA, United States Geoghegan, Edward J., Athlone, Ireland
PATENT ASSIGNEE(S):	Elan Corporation, p.l.c., Athlone, Ireland (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4952402		19900828
APPLICATION INFO.:	US 1988-169447		19880317 (7)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1985-792801, filed on 30 Oct 1985, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	IE 1984-2788	19841030

DOCUMENT TYPE:	Utility

FILE SEGMENT: Granted
PRIMARY EXAMINER: Page, Thurman K.
LEGAL REPRESENTATIVE: Falk, Robert Hardy, Croskell, Henry
NUMBER OF CLAIMS: 52
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 16 Drawing Figure(s); 15 Drawing Page(s)
LINE COUNT: 1310
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A controlled release powder containing discrete micro-particles for use in edible, pharmaceutical and other controlled release compositions is disclosed. The micro-particles have an average size in the range of from 0.1 to 125 .mu.m. Each of the micro-particles is in the form of a micromatrix of an active ingredient uniformly distributed in at least one non-toxic polymer. The micro-particles have a predetermined release of active ingedient when the dissolution rate thereof is measured according to the Paddle Method of U.S. Pharmacopoeia XX at 37.degree. C. and 75 r.p.m.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 10 OF 13 USPATFULL
ACCESSION NUMBER: 90:54484 USPATFULL
TITLE: Controlled release powder and process for its preparation
INVENTOR(S): Sparks, Randall T., Gainesville, GA, United States
Geoghegan, Edward J., Athlone, Ireland
PATENT ASSIGNEE(S): Elan Corporation, Athlone, Ireland (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4940588		19900710
APPLICATION INFO.:	US 1988-171131		19880317 (7)

RELATED APPLN. INFO.: Continuation of Ser. No. US 1985-792801, filed on 30 Oct 1985, now abandoned

	NUMBER	DATE
PRIORITY INFORMATION:	IE 1984-2783	19841030

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Rose, Shep K.
LEGAL REPRESENTATIVE: Falk, Robert H., Croskell, Henry
NUMBER OF CLAIMS: 7
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 16 Drawing Figure(s); 15 Drawing Page(s)
LINE COUNT: 1123
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A controlled release powder containing discrete micro-particles for use in edible, pharmaceutical and other controlled release compositions is disclosed. The micro-particles have an average size in the range of from 0.1 to 125 .mu.m. Each of the micro-particles is in the form of a micromatrix of an active ingredient uniformly distributed in at least one non-toxic polymer. The micro-particles have a predetermined release of active ingredient when the dissolution rate thereof is measured according to the Paddle Method of U.S. Pharmacopoeia XX at 37.degree. C. and 75 r.p.m.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 11 OF 13 USPATFULL
ACCESSION NUMBER: 90:32202 USPATFULL

TITLE: Method of lowering LDL cholesterol in blood
INVENTOR(S): Nestler, John E., Richmond, VA, United States
Barlascini, Cornelius O., Columbus, GA, United States
Clore, John N., Richmond, VA, United States
Blackard, William G., Richmond, VA, United States
PATENT ASSIGNEE(S): Virginia Commonwealth University, Richmond, VA, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 4920115		19900424	
APPLICATION INFO.:	US 1988-291149		19881228	(7)

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Snead, H. M. S.
ASSISTANT EXAMINER: Saba, James
LEGAL REPRESENTATIVE: Whitham & Marhoefer
NUMBER OF CLAIMS: 8
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 1 Drawing Figure(s); 1 Drawing Page(s)
LINE COUNT: 516
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Therapeutic amounts of DHEA are administered to human patients for the treatment and prevention of such disorders as atherosclerosis, angina, diabetes, obesity and congestive heart failure. Administering therapeutic quantities of DHEA to human patients has been found to reduce body fat mass and increase muscle mass, lower serum LDL cholesterol levels, lower serum apoB levels, and not affect tissue sensitivity to insulin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1985:420720 CAPLUS
DOCUMENT NUMBER: 103:20720
TITLE: A myothermal analysis of the myosin crossbridge cycling rate during isometric tetanus in normal and hypothyroid rat hearts
AUTHOR(S): Alpert, N. R.; Mulieri, L. A.; Litten, R. Z.; Holubarsch, C.
CORPORATE SOURCE: Dep. Physiol. Biophys., Univ. Vermont, Burlington, VT, USA
SOURCE: Eur. Heart J. (1984), 5(Suppl. F), 3-11
CODEN: EHJODF; ISSN: 0195-668X
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The problem of internal shortening, which takes place during force development and dissipation in the isometric twitch, is minimized by carrying out measurements of the rate of heat liberation during the plateau phase of tetanic force maintenance. The V1/V3 myosin isoenzyme ratio is altered by treating rats with **propylthiouracil** (PTU) added to the drinking water; here the contractile protein alteration occurs with myocardial atrophy rather than hypertrophy. High resoln., rapid temp. measurements are made in tetanically stimulated isometrically contracting rat **heart** papillary muscles from normal (high V1/V3 ratio) and PTU treated (low V1/V3 ratio) rats to assess the relation between contractile protein performance (crossbridge cycling rate) in the intact muscle and that under controlled conditions in isolated myofibrils.

In papillary muscles from the normal **heart** the crossbridge cycling rate during force maintenance was 6.53 Hz compared with 3.13 and 0.53 cycles/s in the myofibril at high and low ionic strength, resp. For the PTU treated papillary muscles the cycling rate during force maintenance was 2.71 cycles/s while in the myofibril at high and low ionic

strength it was 0.97 and 0.34 cycles/s, resp. This difference may be a result of reduced cycling rate in myofibrillar prepns. caused by a disorganization of the filament lattice as a result of loss of the sarcolemma and when unrestrained sarcomere shortening occurs. Similar to the results found previously in the rabbit (with low V1/V3 ratios) the economy of force maintenance was substantially increased in the PTU (low V1/V3) treated rat hearts. Anal. of this increase in economy indicates that it resulted from a decrease in the myosin crossbridge cycling rate assocd. with an increase in the on time (period during which the crossbridge is connected to actin and developing force). In the normal **heart** prepns. studies were carried out at a lower temp. (21 vs 11.degree.) to see if decreasing the cycling rate by means of a temp. change would increase the economy of force maintenance and if the Q10 for the cycling rate and on time were identical. Force maintenance at the lower temp. was more economical than at the higher temp. while the Q10 for
cycling rate and on time were 1.7 and 2.7, resp.

L9 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1956:45584 CAPLUS
DOCUMENT NUMBER: 50:45584
ORIGINAL REFERENCE NO.: 50:8848d-e
TITLE: Effects of sitosterol ingestion on serum cholesterol concentration
AUTHOR(S): Shipley, R. E.
CORPORATE SOURCE: Indianapolis General Hosp., IN
SOURCE: Trans. N.Y. Acad. Sci. (1955), 18, 111-18
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
AB Feeding of sitosterol to the following caused a lowering of serum cholesterol: dogs made hypercholesteremic by cholesterol feeding and **propylthiouracil**; **healthy** male adult; female adult with hypertension; female adult with hypercholesteremia and arteriosclerotic **heart** disease; female adult with hypercholesteremia; male diabetic.

=> d kwic 2 5 9 11

L9 ANSWER 2 OF 13 USPATFULL
GOVI This invention was made with Government support under a National Institutes of **Health** grant awarded by contract AG15434. The government has certain rights in this invention.
SUMM . . . to be 4-5 million individuals, with annualized hospital and care costs of about $12, billion per year (Levit et al., **Health** Care Finan. Rev. 13: 29-54, [1991]; O'Connell, J. Heart Lung Transplant 13: S107-S248, [1994]; Gheorghiade et al., Am. Heart J.. . .
DETD . . . Sprague Dawley rats by enzymatic digestion as described previously (Westfall, et al., supra). Rats were made hypothyroid by adding 0.6% **propylthiouracil** to the drinking water for a minimum of 4 weeks prior to myocyte isolation. Myocytes were isolated by
removing the **heart** from an anesthetized rat and perfusing the **heart** with Kreb's Henseleit Buffer (KHB)+1 mM CaCl.sub.2 for 5 minutes on a modified Langendorff perfusion apparatus. The **heart** was then perfused with Ca.sup.2+ -free KHB for 5 minutes followed by addition of collagenase (0.5 mg/ml) and hyaluronidase (0.2. . .

L9 ANSWER 5 OF 13 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
IT Major Concepts
Cardiovascular Medicine (Human Medicine, Medical Sciences); Development; Endocrine System (Chemical Coordination and Homeostasis); Metabolism; Pathology; Pharmacology; Public **Health** (Allied Medical Sciences); Radiology (Medical Sciences); Reproductive System (Reproduction); Surgery (Medical Sciences); Toxicology

IT Chemicals & Biochemicals
THYROXINE; CARBIMAZOLE; PROPYLTHIOURACIL
IT Miscellaneous Descriptors
ADVERSE SIDE EFFECTS; ANTITHYROID-DRUG; CARBIMAZOLE; DIAGNOSIS; GRAVES'
DISEASE; HYPEREMESIS GRAVIDARUM; ISCHEMIC **HEART** DISEASE; **PROPYLTHIOURACIL**; RADIOIODINE; SURGERY; THIONAMIDES; THYROIDITIS; THYROTOXICOSIS; THYROXINE

L9 ANSWER 9 OF 13 USPATFULL
DETD . . . ascorbic acid, alpha tocopherol, thiamine and pyridoxine; anti-spasmodic drugs such as dicyclomine and diphenoxylate; drugs affecting the rhythm of the **heart** such as verapamil, nifedipine, diltiazem, procainamide, disopyramide, bretylium tosylate, quinidine sulfate and quinidine gluconate; drugs used in the treatment of. . . as tolbutamide, diabenase glucagon and insulin; drugs used in
the treatment of thyroid gland disfunction such as triiodothyronine, thyroxine and **propylthiouracil**, diuretic drugs such as furosemide, chlorthalidone, hydrochlorthiazide, spironolactone and triamterene; the uterine relaxant drug ritodrine; appetite suppressants such as fenfluramine. . .
DETD Other suitable formulations incorporating the micro-particles according to the invention include inhalants, magmas, intrauterine devices, patches, biodegradable **wound** dressings and other topical dressings.

L9 ANSWER 11 OF 13 USPATFULL
GOVI This invention was made with U.S. Government support under contracts RR00065 and AM07428 awarded by the National Institutes of **Health** . The government has certain rights in this invention.
SUMM . . . Geriatrics 37: 157 (1982), DHEA was reported to be a "miracle drug" which may prevent obesity, aging, diabetes mellitus and **heart** disease. These assertions stem from animal studies which demonstrated that DHEA administration resulted in lower body weight in C3H(Avy/a) mice. . . tissue sensitivity to insulin in aged normal mice, and prevented the rise in cholesterol levels of rats made hypothyroid with **propylthiouracil**. Human studies have revealed an inverse correlation between fetal serum DHEA-S and low density lipoprotein (LDL) levels (Parker et al,. . .
DETD . . . men contrasts significantly with animal studies, in which DHEA prevented the rise in serum cholesterol in rats made hypothyroid with **propylthiouracil**, but had no effect on serum cholesterol levels in normal rats (Ben-David et al, Proc. Soc. Exp. Biol. Med. 125:. . . inventor's study represents an estimated 14% reduction in risk for the development of cardiovascular disease. The derived reduction of coronary **heart** disease from the reduction of cholesterol is discussed in the Lipid Research Clinics article, JAMA, 251: 365-3/4 (1984), and this.
. .

=> d history

(FILE 'HOME' ENTERED AT 10:35:09 ON 09 OCT 2002)

FILE 'MEDLINE, CAPLUS, LIFESCI, EMBASE, USPATFULL, BIOSIS' ENTERED AT 10:35:26 ON 09 OCT 2002
E HEBER-KATZ ?/AU
E HEBER KATZ ?/AU
L1 327 S E4-6
L2 7 S L1 AND (CARDIAC OR HEART)
L3 3 DUP REM L2 (4 DUPLICATES REMOVED)
L4 127 DUP REM L1 (200 DUPLICATES REMOVED)

```
L5          124 S L4 NOT L2
L6         1092 S PROPYLTHIOURACIL AND (CARDIAC OR HEART)
L7          486 S PROPYLTHIOURACIL (P) (CARDIAC OR HEART)
L8           15 S L7 AND (HEAL? OR WOUND OR SCAR)
L9           13 DUP REM L8 (2 DUPLICATES REMOVED)

=> s l7 and ischemia

L10           6 L7 AND ISCHEMIA

=> s l10 not l8

L11           6 L10 NOT L8

=> dup rem l11

PROCESSING COMPLETED FOR L11
L12           3 DUP REM L11 (3 DUPLICATES REMOVED)

=> d l12 ibib abs tot

L12  ANSWER 1 OF 3  EMBASE  COPYRIGHT 2002 ELSEVIER SCI. B.V.DUPLICATE 1
ACCESSION NUMBER:   93231809  EMBASE
DOCUMENT NUMBER:    1993231809
TITLE:              [Acute ischemic heart disease and thyrotoxicosis:
                    Rapid regression of myocardial ischemia with
                    propranolol and propylthiouracil. A case report].
                    ISCHEMIA MIOCARDIA ACUTA IN CORSO DI
                    TIREOTOSSICOSI: REGRESSIONE RAPIDA DELL'ISCHEMIA
                    CON L'IMPIEGO DI PROPRANOLOLO E PROPILTIOURACILE.
                    DESCRIZIONE DI UN CASO CLINICO.
AUTHOR:             Della Corte C.; Della Corte R.; Festa M.
CORPORATE SOURCE:   Piazza della Rocca, 2,01100 Viterbo, Italy
SOURCE:             Gazzetta Medica Italiana Archivio per le Scienze Mediche,
                    (1993) 152/4 (149-153).
                    ISSN: 0393-3660  CODEN: GMIMES
COUNTRY:            Italy
DOCUMENT TYPE:      Journal; Article
FILE SEGMENT:       003     Endocrinology
                    018     Cardiovascular Diseases and Cardiovascular Surgery
                    037     Drug Literature Index
LANGUAGE:           Italian
SUMMARY LANGUAGE:   Italian; English

L12  ANSWER 2 OF 3  CAPLUS  COPYRIGHT 2002 ACS          DUPLICATE 2
ACCESSION NUMBER:       1989:571851  CAPLUS
DOCUMENT NUMBER:        111:171851
TITLE:                  Ventricular fibrillation is reduced in hypothyroid
                        rats with enhanced myocardial .alpha.-adrenoceptor
                        responsiveness
AUTHOR(S):              Chess-Williams, R.; Coker, S. J.
CORPORATE SOURCE:       Dep. Pharmacol. Ther., Univ. Liverpool, Liverpool,
L69
                        3BX, UK
SOURCE:                 Br. J. Pharmacol. (1989), 98(1), 95-100
                        CODEN: BJPCBM; ISSN: 0007-1188
DOCUMENT TYPE:          Journal
LANGUAGE:               English
AB   The severity of ventricular arrhythmias induced by coronary artery
     occlusion and reperfusion was examd. in control rats and animals made
     hypothyroid by pretreatment with 6-propylthiouracil (PTU). The
     maximal driving frequency and sensitivity of isolated left atria and
     papillary muscles to isoprenaline and to phenylephrine in the presence of
     propranolol, were also examd. in tissues from control and hypothyroid
     animals. Pretreatment with PTU resulted in a potentiation of responses
to
```

the .alpha.-adrenoceptor agonist phenylephrine in both left atria and papillary muscles, while responses to isoprenaline were depressed in left atria but unaltered in papillary muscles from hypothyroid animals. In rats subject to coronary artery occlusion, PTU pretreatment reduced the incidence of ventricular fibrillation during acute myocardial **ischemia** and abolished reperfusion-induced ventricular fibrillation. Mortality during myocardial **ischemia** and reperfusion was also abolished. Diastolic blood pressure was similar in hypothyroid and control animals, but there was a small redn. in systolic blood pressure and a marked decrease in **heart** rate in PTU-pretreated animals. Thus, PTU-induced hypothyroidism represents a condition where **cardiac** .alpha.-adrenoceptor-mediated responses are enhanced but the severity of **ischemia**- and reperfusion-induced arrhythmias is reduced.

L12 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1979:146811 CAPLUS
DOCUMENT NUMBER: 90:146811
TITLE: Alcohol induced susceptibility to hypoxic liver damage: possible role in the pathogenesis of alcoholic liver disease?
AUTHOR(S): Israel, Y.; Orrego, H.; Khanna, J. M.; Stewart, D. J.; Phillips, M. J.; Kalant, H.
CORPORATE SOURCE: Addict. Res. Found., Univ. Toronto, Toronto, Ont., Can.
SOURCE: Hepatology (N. Y.) (1977), 3(Alcohol Liver), 323-48
CODEN: HEPADF; ISSN: 0161-0538
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Chronic EtOH [64-17-5] feeding to rats caused increased alc. metab., O uptake and liver lesions. The severity of the lesions was proportional to the degree of hypoxia. The alterations were localized in the periacinar zone and were characterized by necrosis, degeneration, and mild leukocytic infiltration. **Propylthiouracil** treatment which is known to reduce tissue O consumption markedly protected against liver damage induced by hypoxia in alc.-treated animals. The liver of the spontaneously hypersensitive strain of rats showed marked increases in alc. metab. and of O consumption following chronic alc. feeding. These animals, in which **cardiac** output and liver perfusion rates were known to be reduced by hypertension, developed liver lesions spontaneously, when EtOH was fed chronically. **Ischemia**, resulting from a combination of metabolic factors and subclin. and clin. conditions may play a role in producing liver lesions of an alc.

=> d 1 all

L12 ANSWER 1 OF 3 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.DUPLICATE 1
AN 93231809 EMBASE
DN 1993231809
TI [Acute ischemic **heart** disease and thyrotoxicosis: Rapid regression of myocardial **ischemia** with propranolol and **propylthiouracil**. A case report].
ISCHEMIA MIOCARDIA ACUTA IN CORSO DI TIREOTOSSICOSI: REGRESSIONE RAPIDA DELL'**ISCHEMIA** CON L'IMPIEGO DI PROPRANOLOLO E PROPILTIOURACILE. DESCRIZIONE DI UN CASO CLINICO.
AU Della Corte C.; Della Corte R.; Festa M.
CS Piazza della Rocca, 2,01100 Viterbo, Italy
SO Gazzetta Medica Italiana Archivio per le Scienze Mediche, (1993) 152/4 (149-153).
ISSN: 0393-3660 CODEN: GMIMES
CY Italy

DT Journal; Article
FS 003 Endocrinology
018 Cardiovascular Diseases and Cardiovascular Surgery
037 Drug Literature Index
LA Italian
SL Italian; English
CT Medical Descriptors:
*ischemic heart disease: DT, drug therapy
*thyrotoxicosis: DT, drug therapy
aged
article
case report
female
human
Drug Descriptors:
*propranolol: DT, drug therapy
*propylthiouracil: DT, drug therapy
calcium antagonist: DT, drug therapy
digoxin: DT, drug therapy
glyceryl trinitrate: DT, drug therapy
heparin: DT, drug therapy
lanatoside c: DT, drug therapy
verapamil: DT, drug therapy
RN (propranolol) 13013-17-7, 318-98-9, 3506-09-0, 4199-09-1, 525-66-6; (propylthiouracil) 51-52-5; (digoxin) 20830-75-5, 57285-89-9; (glyceryl trinitrate) 55-63-0; (heparin) 37187-54-5, 8057-48-5, 8065-01-8, 9005-48-5; (lanatoside c) 17575-22-3; (verapamil) 152-11-4, 52-53-9

=> s hypothyroid? and heart

L13 5511 HYPOTHYROID? AND HEART

=> s l13 and (wound or ischemi?)

L14 573 L13 AND (WOUND OR ISCHEMI?)

=> s l13 (p) (wound or ischemi?)

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L67 (P) '
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L68 (P) '
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L69 (P) '
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L70 (P) '
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L71 (P) '
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L72 (P) '
L15 573 L13 (P) (WOUND OR ISCHEMI?)

=> s hypothyroid? (p) (heart or cardiac)

L16 4365 HYPOTHYROID? (P) (HEART OR CARDIAC)

=> s l16 (p) (wound or ischemi?)

L17 177 L16 (P) (WOUND OR ISCHEMI?)

=> dup rem l17

PROCESSING COMPLETED FOR L17
L18 121 DUP REM L17 (56 DUPLICATES REMOVED)

=> s l18 an py<2001

MISSING OPERATOR L18 AN
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> s l18 and py<2001

3 FILES SEARCHED...
L19 95 L18 AND PY<2001

=> d l19 ibib abs 1-10

L19 ANSWER 1 OF 95 MEDLINE
ACCESSION NUMBER: 2000080513 MEDLINE
DOCUMENT NUMBER: 20080513 PubMed ID: 10614850
TITLE: Combined cardiac surgery and total thyroidectomy: a case report.
AUTHOR: Matsuyama K; Ueda Y; Ogino H; Sugita T; Nishizawa J; Matsubayashi K; Yoshimura S; Yoshioka T; Tokuda Y
CORPORATE SOURCE: Department of Cardiovascular Surgery, Tenri Hospital, Nara, Japan.
SOURCE: JAPANESE CIRCULATION JOURNAL, **(1999 Dec)** 63 (12) 1004-6.
Journal code: 7806868. ISSN: 0047-1828.
PUB. COUNTRY: Australia
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200001
ENTRY DATE: Entered STN: 20000204
Last Updated on STN: 20000204
Entered Medline: 20000127

AB A 65-year-old woman with aortic stenosis, **ischemic heart** disease, and Graves' disease had complained of effort angina. She then suffered from liver dysfunction due to treatment with antithyroid drugs. One year after the start of radioiodine administration, she demonstrated unstable angina with palpitation and sweating. Laboratory studies revealed a recurrent hyperthyroid state, and a second coronary angiogram revealed progressive **ischemic heart** disease. Combined coronary artery bypass grafting, aortic valve replacement, and total thyroidectomy were performed. The postoperative course was uneventful without any problems associated with hyperthyroidism or **hypothyroidism**. Combined **cardiac** surgery and total thyroidectomy can be performed safely if the perioperative levels of thyroid hormone are maintained at euthyroid or **hypothyroid** levels.

L19 ANSWER 2 OF 95 MEDLINE
ACCESSION NUMBER: 97430416 MEDLINE
DOCUMENT NUMBER: 97430416 PubMed ID: 9333319
TITLE: [Hypothyroidism with pseudo-ischemic and hypertensive clinical presentation: physiopathological and diagnostic considerations].
Ipotiroidismo a presentazione clinica pseudo-ischemica ed ipertensiva: considerazioni fisiopatologiche e diagnostiche.
AUTHOR: La Brocca A
CORPORATE SOURCE: Divisione di Medicina Interna, Ospedale Civile di Giaveno (TO), Azienda Regionale U.S.L. 5 di Torino.
SOURCE: ANNALI ITALIANI DI MEDICINA INTERNA, **(1997 Apr-Jun)** 12 (2) 94-7.
Journal code: 8806705. ISSN: 0393-9340.
PUB. COUNTRY: Italy

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: Italian
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199710
ENTRY DATE: Entered STN: 19971024

L5 ANSWER 21 OF 124 MEDLINE
ACCESSION NUMBER: 93219417 MEDLINE
DOCUMENT NUMBER: 93219417 PubMed ID: 7681993
TITLE: In vivo expression of inducible nitric oxide synthase in experimentally induced neurologic diseases.
COMMENT: Erratum in: Proc Natl Acad Sci U S A 1993 Jun 1;90(11):5378
AUTHOR: Koprowski H; Zheng Y M; **Heber-Katz E**; Fraser N; Rorke L; Fu Z F; Hanlon C; Dietzschold B
CORPORATE SOURCE: Department of Microbiology and Immunology, Thomas Jefferson University, Philadelphia, PA 19107.
CONTRACT NUMBER: AI-09761 (NIAID)
MH-45174 (NIMH)
NS11036 (NINDS)
SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1993 Apr 1) 90 (7) 3024-7.
Journal code: 7505876. ISSN: 0027-8424.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199305
ENTRY DATE: Entered STN: 19930521
Last Updated on STN: 20000303
Entered Medline: 19930504

L5 ANSWER 22 OF 124 MEDLINE
ACCESSION NUMBER: 92384529 MEDLINE
DOCUMENT NUMBER: 92384529 PubMed ID: 1381167
TITLE: Shared T-cell receptor gene usage in experimental allergic neuritis and encephalomyelitis.
COMMENT: Comment in: Ann Neurol. 1993 Jul;34(1):113-4
AUTHOR: Clark L; **Heber-Katz E**; Postami A
CORPORATE SOURCE: Wistar Institute of Anatomy and Biology, Philadelphia, PA.
CONTRACT NUMBER: AR39489 (NIAMS)
NS-11036 (NINDS)
NS08075 (NINDS)
SOURCE: ANNALS OF NEUROLOGY, (1992 Jun) 31 (6) 587-92.
Journal code: 7707449. ISSN: 0364-5134.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199209
ENTRY DATE: Entered STN: 19921018
Last Updated on STN: 20000303
Entered Medline: 19920925

L5 ANSWER 23 OF 124 MEDLINE
ACCESSION NUMBER: 92352658 MEDLINE
DOCUMENT NUMBER: 92352658 PubMed ID: 1386519
TITLE: Observations, legends, and conjectures concerning restricted T-cell receptor usage and autoimmune disease.
AUTHOR: Esch T; Clark L; Zhang X M; Goldman S; **Heber-Katz E**
CORPORATE SOURCE: Wistar Institute, Philadelphia, PA 19104.
CONTRACT NUMBER: CA-09171 (NCI)
NS-11036-17 (NINDS)
SOURCE: CRITICAL REVIEWS IN IMMUNOLOGY, (1992) 11 (5) 249-64.
Ref:

140
Journal code: 8914819. ISSN: 1040-8401.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, ACADEMIC)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199209
ENTRY DATE: Entered STN: 19920925
Last Updated on STN: 19920925
Entered Medline: 19920904

L5 ANSWER 24 OF 124 MEDLINE
ACCESSION NUMBER: 92121421 MEDLINE
DOCUMENT NUMBER: 92121421 PubMed ID: 1531052
TITLE: A workshop on thymus, clonal deletion and suppressor systems in demyelinating disease. 20-24 March 1991, Eldorado Hotel, Sante Fe, NM, USA.
AUTHOR: **Heber-Katz E**; Waksman B
CORPORATE SOURCE: Wistar Institute, Philadelphia, PA 19104.
SOURCE: JOURNAL OF NEUROIMMUNOLOGY, (1992 Feb) 36 (2-3) 231-8.
Journal code: 8109498. ISSN: 0165-5728.
PUB. COUNTRY: Netherlands
DOCUMENT TYPE: Conference; Conference Article; (CONGRESSES)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199202
ENTRY DATE: Entered STN: 19920315
Last Updated on STN: 19990129
Entered Medline: 19920221

L5 ANSWER 25 OF 124 MEDLINE
ACCESSION NUMBER: 92113254 MEDLINE
DOCUMENT NUMBER: 92113254 PubMed ID: 1370515
TITLE: T cell receptor sequences from encephalitogenic T cells in adult Lewis rats suggest an early ontogenic origin.
AUTHOR: Zhang X M; **Heber-Katz E**
CORPORATE SOURCE: Wistar Institute of Anatomy and Biology, Philadelphia, PA 19104.
CONTRACT NUMBER: NS-11036-17 (NINDS)
SOURCE: JOURNAL OF IMMUNOLOGY, (1992 Feb 1) 148 (3) 746-52.
Journal code: 2985117R. ISSN: 0022-1767.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 199202
ENTRY DATE: Entered STN: 19920308
Last Updated on STN: 20000303
Entered Medline: 19920219

L5 ANSWER 26 OF 124 MEDLINE
ACCESSION NUMBER: 92062769 MEDLINE
DOCUMENT NUMBER: 92062769 PubMed ID: 1954284
TITLE: The autoimmune T-cell receptor in experimental disease.
AUTHOR: **Heber-Katz E**
CORPORATE SOURCE: Wistar Institute, Philadelphia, Pennsylvania.
SOURCE: IMMUNOLOGY SERIES, (1991) 55 155-69. Ref: 72
Journal code: 0404721. ISSN: 0092-6019.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, ACADEMIC)
LANGUAGE: English
FILE SEGMENT: Priority Journals

ENTRY MONTH: 199201
ENTRY DATE: Entered STN: 19920124
Last Updated on STN: 20000303
Entered Medline: 19920102

L5 ANSWER 27 OF 124 MEDLINE
ACCESSION NUMBER: 91334437 MEDLINE
DOCUMENT NUMBER: 91334437 PubMed ID: 1714594
TITLE: T-cell receptor peptide immunization leads to enhanced and chronic experimental allergic encephalomyelitis.
AUTHOR: Desquenne-Clark L; Esch T R; Otvos L Jr; **Heber-Katz E**
CORPORATE SOURCE: Wistar Institute of Anatomy and Biology, Philadelphia, PA 19104.
CONTRACT NUMBER: NS 11036 (NINDS)
SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1991 Aug 15) 88 (16) 7219-23.
Journal code: 7505876. ISSN: 0027-8424.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199109
ENTRY DATE: Entered STN: 19911006
Last Updated on STN: 20000303
Entered Medline: 19910918

L5 ANSWER 28 OF 124 MEDLINE
ACCESSION NUMBER: 91332429 MEDLINE
DOCUMENT NUMBER: 91332429 PubMed ID: 1714476
TITLE: Nonencephalitogenic CD4-CD8- V alpha 2V beta 8.2+ anti-myelin basic protein rat T lymphocytes inhibit disease induction.
AUTHOR: Lider O; Miller A; Miron S; Hershkoviz R; Weiner H L; Zhang X M; **Heber-Katz E**
CORPORATE SOURCE: Department of Cell Biology, Weizmann Institute of Science, Rehovot, Israel.
SOURCE: JOURNAL OF IMMUNOLOGY, (1991 Aug 15) 147 (4) 1208-13.
Journal code: 2985117R. ISSN: 0022-1767.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 199109
ENTRY DATE: Entered STN: 19911006
Last Updated on STN: 20000303
Entered Medline: 19910916

L5 ANSWER 29 OF 124 MEDLINE
ACCESSION NUMBER: 91161691 MEDLINE
DOCUMENT NUMBER: 91161691 PubMed ID: 1705946
TITLE: Cytotoxic effects of myelin basic protein-reactive T cell hybridoma cells on oligodendrocytes.
AUTHOR: Kawai K; **Heber-Katz E**; Zweiman B
CORPORATE SOURCE: Department of Neurology, University of Pennsylvania School of Medicine, Philadelphia 19104-6057.
CONTRACT NUMBER: NS11036 (NINDS)
PO1 NS11037 (NINDS)
SOURCE: JOURNAL OF NEUROIMMUNOLOGY, (1991 Apr) 32 (1) 75-81.
Journal code: 8109498. ISSN: 0165-5728.
PUB. COUNTRY: Netherlands
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals

ENTRY MONTH: 199104
ENTRY DATE: Entered STN: 19910505
Last Updated on STN: 19960129
Entered Medline: 19910417

L5 ANSWER 30 OF 124 MEDLINE
ACCESSION NUMBER: 91079587 MEDLINE
DOCUMENT NUMBER: 91079587 PubMed ID: 1701801
TITLE: Characterization of a new, potent, immunopathogenic epitope in S-antigen that elicits T cells expressing V beta 8 and V alpha 2-like genes.
AUTHOR: Merryman C F; Donoso L A; Zhang X M; **Heber-Katz E**; Gregerson D S
CORPORATE SOURCE: Department of Biochemistry, Jefferson Medical College, Thomas Jefferson University, Philadelphia, PA 19107.
CONTRACT NUMBER: EY05095 (NEI)
EY07610 (NEI)
NS11086 (NINDS)
SOURCE: JOURNAL OF IMMUNOLOGY, (1991 Jan 1) 146 (1) 75-80.
Journal code: 2985117R. ISSN: 0022-1767.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 199101
ENTRY DATE: Entered STN: 19910322
Last Updated on STN: 19970203
Entered Medline: 19910128

L5 ANSWER 31 OF 124 MEDLINE
ACCESSION NUMBER: 91070846 MEDLINE
DOCUMENT NUMBER: 91070846 PubMed ID: 1983968
TITLE: Conserved T cell receptor V gene usage by uveitogenic T cells.
AUTHOR: Gregerson D S; Fling S P; Merryman C F; Zhang X M; Li X B; **Heber-Katz E**
CORPORATE SOURCE: Department of Ophthalmology, University of Minnesota, Minneapolis 55455.
CONTRACT NUMBER: EY05417 (NEI)
NS11086 (NINDS)
SOURCE: CLINICAL IMMUNOLOGY AND IMMUNOPATHOLOGY, (1991 Jan) 58 (1) 154-61.
Journal code: 0356637. ISSN: 0090-1229.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199101
ENTRY DATE: Entered STN: 19910308
Last Updated on STN: 19910308
Entered Medline: 19910122

L5 ANSWER 32 OF 124 MEDLINE
ACCESSION NUMBER: 90357695 MEDLINE
DOCUMENT NUMBER: 90357695 PubMed ID: 2143872
TITLE: Immunologic consequence of class II+ pancreatic islet allografts on recipient responsiveness.
AUTHOR: Markmann J F; Barker C F; Lo D; Brinster R; **Heber-Katz E**; Naji A
CORPORATE SOURCE: Department of Surgery, University of Pennsylvania Medical Center, Philadelphia 19104.
CONTRACT NUMBER: 5Y32GM07170 (NIGMS)
DK26007 (NIDDK)

DK34878 (NIDDK)

SOURCE: TRANSPLANTATION PROCEEDINGS, (1990 Aug) 22 (4) 2052-3.
Journal code: 0243532. ISSN: 0041-1345.

PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199009
ENTRY DATE: Entered STN: 19901026
Last Updated on STN: 19901026
Entered Medline: 19900926

L5 ANSWER 33 OF 124 MEDLINE
ACCESSION NUMBER: 90336334 MEDLINE
DOCUMENT NUMBER: 90336334 PubMed ID: 2484251
TITLE: A new hierarchy of TCR specificity: autoimmune diseases are
defined by particular V alpha V beta combinations and not by antigen specificity.

AUTHOR: **Heber-Katz E**
CORPORATE SOURCE: Wistar Institute of Anatomy and Biology, Philadelphia, Pennsylvania 19104.
CONTRACT NUMBER: NS-11036 (NINDS)
SOURCE: COLD SPRING HARBOR SYMPOSIA ON QUANTITATIVE BIOLOGY, (1989)
54 Pt 2 875-8.
Journal code: 1256107. ISSN: 0091-7451.

PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199009
ENTRY DATE: Entered STN: 19901012
Last Updated on STN: 20000303
Entered Medline: 19900913

L5 ANSWER 34 OF 124 MEDLINE
ACCESSION NUMBER: 90168093 MEDLINE
DOCUMENT NUMBER: 90168093 PubMed ID: 1689623
TITLE: The autoimmune T cell receptor: epitopes, idiotopes, and malatopes.

AUTHOR: **Heber-Katz E**
CORPORATE SOURCE: Wistar Institute, Philadelphia, Pennsylvania 19104.
SOURCE: CLINICAL IMMUNOLOGY AND IMMUNOPATHOLOGY, (1990 Apr) 55 (1) 1-8. Ref: 36
Journal code: 0356637. ISSN: 0090-1229.

PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199004
ENTRY DATE: Entered STN: 19900601
Last Updated on STN: 20000303
Entered Medline: 19900405

L5 ANSWER 35 OF 124 MEDLINE
ACCESSION NUMBER: 90063034 MEDLINE
DOCUMENT NUMBER: 90063034 PubMed ID: 2479681
TITLE: Determinants of human myelin basic protein that induce encephalitogenic T cells in Lewis rats.

AUTHOR: Vandenbark A A; Hashim G A; Celnik B; Galang A; Li X B; **Heber-Katz E**; Offner H
CORPORATE SOURCE: Neuroimmunology Research, VA Medical Center, Portland, OR 97201.

CONTRACT NUMBER: NS-21466 (NINDS)
NS-23221 (NINDS)
NS-23444 (NINDS)
+
SOURCE: JOURNAL OF IMMUNOLOGY, (1989 Dec 1) 143 (11) 3512-6.
Journal code: 2985117R. ISSN: 0022-1767.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 199001
ENTRY DATE: Entered STN: 19900328
Last Updated on STN: 20000303
Entered Medline: 19900105

L5 ANSWER 36 OF 124 MEDLINE
ACCESSION NUMBER: 89361265 MEDLINE
DOCUMENT NUMBER: 89361265 PubMed ID: 2475577
TITLE: Lack of immunodominance in the T cell response to herpes simplex virus glycoprotein D after administration of infectious virus.
AUTHOR: Yamashita K; **Heber-Katz E**
CORPORATE SOURCE: Wistar Institute of Anatomy and Biology, Philadelphia, Pennsylvania 19104.
CONTRACT NUMBER: AI-22528 (NIAID)
SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1989 Sep 1) 170 (3) 997-1002.
Journal code: 2985109R. ISSN: 0022-1007.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198910
ENTRY DATE: Entered STN: 19900309
Last Updated on STN: 19970203
Entered Medline: 19891003

L5 ANSWER 37 OF 124 MEDLINE
ACCESSION NUMBER: 89328317 MEDLINE
DOCUMENT NUMBER: 89328317 PubMed ID: 2474052
TITLE: T cell determinants of myelin basic protein include a unique encephalitogenic I-E-restricted epitope for Lewis rats.
AUTHOR: Offner H; Hashim G A; Celnik B; Galang A; Li X B; Burns F R; Shen N; **Heber-Katz E**; Vandenbark A A
CORPORATE SOURCE: Veterans Administration Medical Center, Portland, Oregon 97201.
CONTRACT NUMBER: NS-21466 (NINDS)
NS-23221 (NINDS)
NS-23444 (NINDS)
+
SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1989 Aug 1) 170 (2) 355-67.
Journal code: 2985109R. ISSN: 0022-1007.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198909
ENTRY DATE: Entered STN: 19900309
Last Updated on STN: 20000303
Entered Medline: 19890905

L5 ANSWER 38 OF 124 MEDLINE
ACCESSION NUMBER: 89302583 MEDLINE
DOCUMENT NUMBER: 89302583 PubMed ID: 6101061

TITLE: The Ia molecule of the antigen-presenting cell plays a critical role in immune response gene regulation of T cell activation.

AUTHOR: **Heber-Katz E**; Hansburg D; Schwartz R H

CORPORATE SOURCE: Laboratory of Immunology, National Institutes of Allergy and Infectious Diseases, Bethesda, MD 20205.

SOURCE: JOURNAL OF MOLECULAR AND CELLULAR IMMUNOLOGY, (1983) 1 (1) 3-18.
Journal code: 8405005. ISSN: 0724-6803.

PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198908
ENTRY DATE: Entered STN: 19900309
Last Updated on STN: 19900309
Entered Medline: 19890821

L5 ANSWER 39 OF 124 MEDLINE

ACCESSION NUMBER: 89302580 MEDLINE
DOCUMENT NUMBER: 89302580 PubMed ID: 2663017
TITLE: The V-region disease hypothesis: evidence from autoimmune encephalomyelitis.

AUTHOR: **Heber-Katz E**; Acha-Orbea H

CONTRACT NUMBER: AI007757 (NIAID)
NS 11086 (NINDS)
NS 18235 (NINDS)

SOURCE: IMMUNOLOGY TODAY, (1989 May) 10 (5) 164-9. Ref: 41
Journal code: 8008246. ISSN: 0167-5699.

PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, ACADEMIC)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198908
ENTRY DATE: Entered STN: 19900309
Last Updated on STN: 20000303
Entered Medline: 19890822

L5 ANSWER 40 OF 124 MEDLINE

ACCESSION NUMBER: 89086963 MEDLINE
DOCUMENT NUMBER: 89086963 PubMed ID: 2462833
TITLE: Clonal modulation of experimental allergic encephalomyelitis by a monoclonal antibody directed to the T-cell receptor.

AUTHOR: **Heber-Katz E**; Owhashi M; Happ M P; Burns F; Shen N; Li X

CORPORATE SOURCE: Wistar Institute, Philadelphia, Pennsylvania 19104.

SOURCE: ANNALS OF THE NEW YORK ACADEMY OF SCIENCES, (1988) 540 576-7.
Journal code: 7506858. ISSN: 0077-8923.

PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOUPNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198902
ENTRY DATE: Entered STN: 19900308
Last Updated on STN: 20000303
Entered Medline: 19890208

L5 ANSWER 41 OF 124 MEDLINE

ACCESSION NUMBER: 89080488 MEDLINE
DOCUMENT NUMBER: 89080488 PubMed ID: 2462609
TITLE: Both rat and mouse T cell receptors specific for the encephalitogenic determinant of myelin basic protein use

similar V alpha and V beta chain genes even though the major histocompatibility complex and encephalitogenic determinants being recognized are different.

AUTHOR: Burns F R; Li X B; Shen N; Offner H; Chou Y K; Vandenbark A

A; **Heber-Katz E**

CORPORATE SOURCE: Wistar Institute of Anatomy and Biology, Philadelphia, Pennsylvania 19104.

CONTRACT NUMBER: NS-11036 (NINDS)
NS-23221 (NINDS)
NS-23444 (NINDS)
+

SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1989 Jan 1) 169 (1) 27-39.
Journal code: 2985109R. ISSN: 0022-1007.

PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-Y00803
ENTRY MONTH: 198902
ENTRY DATE: Entered STN: 19900308
Last Updated on STN: 19970203
Entered Medline: 19890209

L5 ANSWER 42 OF 124 MEDLINE

ACCESSION NUMBER: 89067823 MEDLINE
DOCUMENT NUMBER: 89067823 PubMed ID: 2462007
TITLE: Protection from experimental allergic encephalomyelitis conferred by a monoclonal antibody directed against a shared idiotype on rat T cell receptors specific for myelin basic protein.

AUTHOR: Owhashi M; **Heber-Katz E**

CORPORATE SOURCE: Wistar Institute of Anatomy and Biology, Philadelphia, Pennsylvania 19104.

CONTRACT NUMBER: NS-11036 (NINDS)
SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1988 Dec 1) 168 (6) 2153-64.
Journal code: 2985109R. ISSN: 0022-1007.

PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198901
ENTRY DATE: Entered STN: 19900308
Last Updated on STN: 20000303
Entered Medline: 19890117

L5 ANSWER 43 OF 124 MEDLINE

ACCESSION NUMBER: 89057143 MEDLINE
DOCUMENT NUMBER: 89057143 PubMed ID: 3143077
TITLE: Antigen presenting function of class II MHC expressing pancreatic beta cells.

AUTHOR: Markmann J; Lo D; Naji A; Palmiter R D; Brinster R L; **Heber-Katz E**

CORPORATE SOURCE: Department of Surgery, School of Medicine, University of Pennsylvania, Philadelphia 19104.

SOURCE: NATURE, (1988 Dec 1) 336 (6198) 476-9.
Journal code: 0410462. ISSN: 0028-0836.

PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198901
ENTRY DATE: Entered STN: 19900306

Last Updated on STN: 19900308
Entered Medline: 19890103

L5 ANSWER 44 OF 124 MEDLINE
ACCESSION NUMBER: 88315748 MEDLINE
DOCUMENT NUMBER: 88315748 PubMed ID: 2457618
TITLE: Genetic control of the development of experimental allergic encephalomyelitis in rats. Separation of MHC and non-MHC gene effects.
AUTHOR: Happ M P; Wettstein P; Dietzschold B; **Heber-Katz E**
CORPORATE SOURCE: Wistar Institute of Anatomy and Biology, Philadelphia, PA 19104.
CONTRACT NUMBER: NS-11036 (NINDS)
SOURCE: JOURNAL OF IMMUNOLOGY, (1988 Sep 1) 141 (5) 1489-94.
Journal code: 2985117R. ISSN: 0022-1767.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 198809
ENTRY DATE: Entered STN: 19900308
Last Updated on STN: 20000303
Entered Medline: 19880926

L5 ANSWER 45 OF 124 MEDLINE
ACCESSION NUMBER: 88315332 MEDLINE
DOCUMENT NUMBER: 88315332 PubMed ID: 2457602
TITLE: The autoreactive T cell population in experimental allergic encephalomyelitis: T cell receptor beta-chain rearrangements.
AUTHOR: Happ M P; Kiraly A S; Offner H; Vandenbark A; **Heber-Katz E**
CORPORATE SOURCE: Wistar Institute, Philadelphia, PA 19104.
CONTRACT NUMBER: NS-11036 (NINDS)
NS-23221 (NINDS)
NS-23444 (NINDS)
SOURCE: JOURNAL OF NEUROIMMUNOLOGY, (1988 Sep) 19 (3) 191-204.
Journal code: 8109498. ISSN: 0165-5728.
PUB. COUNTRY: Netherlands
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198810
ENTRY DATE: Entered STN: 19900308
Last Updated on STN: 20000303
Entered Medline: 19881003

L5 ANSWER 46 OF 124 MEDLINE
ACCESSION NUMBER: 88284726 MEDLINE
DOCUMENT NUMBER: 88284726 PubMed ID: 3260890
TITLE: A simple technique to distinguish rat from mouse chromosomes in T cell hybridomas.
AUTHOR: Simon D; Valentine S; **Heber-Katz E**; Knowles B B
CORPORATE SOURCE: Albert Einstein Medical Center, Department of Obstetrics and Gynecology, Philadelphia, PA 19141.
CONTRACT NUMBER: CA 10815 (NCI)
CA 18470 (NCI)
SOURCE: HYBRIDOMA, (1988 Jun) 7 (3) 301-7.
Journal code: 8202424. ISSN: 0272-457X.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198809

ENTRY DATE: Entered STN: 19900308
Last Updated on STN: 19970203
Entered Medline: 19880902

L5 ANSWER 47 OF 124 MEDLINE
ACCESSION NUMBER: 88154740 MEDLINE
DOCUMENT NUMBER: 88154740 PubMed ID: 2450161
TITLE: Differences in the repertoire of the Lewis rat T cell response to self and non-self myelin basic proteins.
AUTHOR: Happ M P; **Heber-Katz E**
CORPORATE SOURCE: Wistar Institute, Philadelphia, Pennsylvania 19104.
CONTRACT NUMBER: NS-11036 (NINDS)
SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1988 Feb 1) 167 (2) 502-13.
Journal code: 2985109R. ISSN: 0022-1007.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198804
ENTRY DATE: Entered STN: 19900308
Last Updated on STN: 20000303
Entered Medline: 19880413

L5 ANSWER 48 OF 124 MEDLINE
ACCESSION NUMBER: 88154724 MEDLINE
DOCUMENT NUMBER: 88154724 PubMed ID: 2450157
TITLE: Overlapping T cell antigenic sites on a synthetic peptide fragment from herpes simplex virus glycoprotein D, the degenerate MHC restriction elicited, and functional evidence for antigen-Ia interaction.
AUTHOR: **Heber-Katz E**; Valentine S; Dietzschold B; Burns-Purzycki C
CORPORATE SOURCE: Wistar Institute of Anatomy and Biology, Philadelphia, Pennsylvania 19104.
CONTRACT NUMBER: AI-22528 (NIAID)
NS-11036 (NINDS)
SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1988 Feb 1) 167 (2) 275-87.
Journal code: 2985109R. ISSN: 0022-1007.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198804
ENTRY DATE: Entered STN: 19900308
Last Updated on STN: 19970203
Entered Medline: 19880413

L5 ANSWER 49 OF 124 MEDLINE
ACCESSION NUMBER: 88097448 MEDLINE
DOCUMENT NUMBER: 88097448 PubMed ID: 3480536
TITLE: Induction of protective immunity against rabies by immunization with rabies virus ribonucleoprotein.
AUTHOR: Dietzschold B; Wang H H; Rupprecht C E; Celis E; Tollis M; Ertl H; **Heber-Katz E**; Koprowski H
CORPORATE SOURCE: Wistar Institue of Anatomy and Biology, Philadelphia, PA 19104.
CONTRACT NUMBER: AI-09706-16 (NIAID)
AI-22528 (NIAID)
SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1987 Dec) 84 (24) 9165-9.
Journal code: 7505876. ISSN: 0027-8424.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English

FILE SEGMENT: Priority Journals
ENTRY MONTH: 198802
ENTRY DATE: Entered STN: 19900305
Last Updated on STN: 19970203
Entered Medline: 19880226

L5 ANSWER 50 OF 124 MEDLINE
ACCESSION NUMBER: 87139800 MEDLINE
DOCUMENT NUMBER: 87139800 PubMed ID: 3029270
TITLE: A synthetic peptide induces long-term protection from lethal infection with herpes simplex virus 2.
AUTHOR: Watari E; Dietzschold B; Szokan G; **Heber-Katz E**
CONTRACT NUMBER: AI-22528 (NIAID)
NS-11036 (NINDS)
SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1987 Feb 1) 165 (2) 459-70.
Journal code: 2985109R. ISSN: 0022-1007.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198704
ENTRY DATE: Entered STN: 19900303
Last Updated on STN: 19970203
Entered Medline: 19870413

L5 ANSWER 51 OF 124 MEDLINE
ACCESSION NUMBER: 87052944 MEDLINE
DOCUMENT NUMBER: 87052944 PubMed ID: 3022991
TITLE: Immune response to synthetic herpes simplex virus peptides: the feasibility of a synthetic vaccine.
AUTHOR: **Heber-Katz E**; Dietzschold B
SOURCE: CURRENT TOPICS IN MICROBIOLOGY AND IMMUNOLOGY, (1986) 130 51-64.
Journal code: 0110513. ISSN: 0070-217X.
PUB. COUNTRY: GERMANY, WEST: Germany, Federal Republic of
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198701
ENTRY DATE: Entered STN: 19900302
Last Updated on STN: 19900302
Entered Medline: 19870112

L5 ANSWER 52 OF 124 MEDLINE
ACCESSION NUMBER: 86185671 MEDLINE
DOCUMENT NUMBER: 86185671 PubMed ID: 6336258
TITLE: Considerations in the design of a peptide antigen specific for T cells.
AUTHOR: **Heber-Katz E**; Hollosi M; Hudecz F; Fasman G; Dietzschold B
CONTRACT NUMBER: AI-09706 (NIAID)
NS-11036 (NINDS)
SOURCE: ANNALI SCLAVO. COLLANA MONOGRAFICA, (1984) 1 (2) 119-28.
Journal code: 8701688. ISSN: 0003-472X.
PUB. COUNTRY: Italy
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198605
ENTRY DATE: Entered STN: 19900321
Last Updated on STN: 19970203
Entered Medline: 19860509

L5 ANSWER 53 OF 124 MEDLINE

ACCESSION NUMBER: 86081728 MEDLINE
DOCUMENT NUMBER: 86081728 PubMed ID: 3935430
TITLE: Tissue-specific, inducible and functional expression of the
E alpha d MHC class II gene in transgenic mice.
AUTHOR: Pinkert C A; Widera G; Cowing C; **Heber-Katz E**; Palmiter R D; Flavell R A; Brinster R L
CONTRACT NUMBER: AI-16044 (NIAID)
HD-09172 (NICHD)
HD-17321 (NICHD)
+
SOURCE: EMBO JOURNAL, (1985 Sep) 4 (9) 2225-30.
Journal code: 8208664. ISSN: 0261-4189.
PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198602
ENTRY DATE: Entered STN: 19900321
Last Updated on STN: 19970203
Entered Medline: 19860207

L5 ANSWER 54 OF 124 MEDLINE
ACCESSION NUMBER: 85235581 MEDLINE
DOCUMENT NUMBER: 85235581 PubMed ID: 2409148
TITLE: The T cell response to the glycoprotein D of the herpes simplex virus: the significance of antigen conformation.
AUTHOR: **Heber-Katz E**; Hollosi M; Dietzschold B; Hudecz F; Fasman G D
CONTRACT NUMBER: AI-09706 (NIAID)
NS-11036 (NINDS)
SOURCE: JOURNAL OF IMMUNOLOGY, (1985 Aug) 135 (2) 1385-90.
Journal code: 2985117R. ISSN: 0022-1767.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 198508
ENTRY DATE: Entered STN: 19900320
Last Updated on STN: 19970203
Entered Medline: 19850819

L5 ANSWER 55 OF 124 MEDLINE
ACCESSION NUMBER: 85113230 MEDLINE
DOCUMENT NUMBER: 85113230 PubMed ID: 2578667
TITLE: Rearrangement and transcription of a T-cell receptor beta-chain gene in different T-cell subsets.
AUTHOR: Hedrick S M; Germain R N; Bevan M J; Dorf M; Engel I; Fink P; Gascoigne N; **Heber-Katz E**; Kapp J; Kaufmann Y;
+
CONTRACT NUMBER: AI-15353 (NIAID)
AI-20320 (NIAID)
AI-21372 (NIAID)
+
SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1985 Jan) 82 (2) 531-5.
Journal code: 7505876. ISSN: 0027-8424.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198503
ENTRY DATE: Entered STN: 19900320
Last Updated on STN: 19970203
Entered Medline: 19850301

L5 ANSWER 56 OF 124 MEDLINE
ACCESSION NUMBER: 83240461 MEDLINE
DOCUMENT NUMBER: 83240461 PubMed ID: 6190979
TITLE: Major histocompatibility complex-controlled, antigen-presenting cell-expressed specificity of T cell antigen recognition. Identification of a site of interaction and its relationship to Ir genes.
AUTHOR: Hansburg D; **Heber-Katz E**; Fairwell T; Appella E
SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1983 Jul 1) 158 (1) 25-39.
Journal code: 2985109R. ISSN: 0022-1007.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198308
ENTRY DATE: Entered STN: 19900319
Last Updated on STN: 19900319
Entered Medline: 19830826

L5 ANSWER 57 OF 124 MEDLINE
ACCESSION NUMBER: 83025072 MEDLINE
DOCUMENT NUMBER: 83025072 PubMed ID: 6181895
TITLE: The fine specificity of antigen and Ia determinant recognition by T cell hybridoma clones specific for pigeon cytochrome c.
AUTHOR: Hedrick S M; Matis L A; Hecht T T; Samelson L E; Longo D L;
Heber-Katz E; Schwartz R H
SOURCE: CELL, (1982 Aug) 30 (1) 141-52.
Journal code: 0413066. ISSN: 0092-8674.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198212
ENTRY DATE: Entered STN: 19900317
Last Updated on STN: 19900317
Entered Medline: 19821218

L5 ANSWER 58 OF 124 MEDLINE
ACCESSION NUMBER: 82234876 MEDLINE
DOCUMENT NUMBER: 82234876 PubMed ID: 6178555
TITLE: The effect of antigen presentation on the fine specificity of anti-cytochrome c T cell hybridomas.
AUTHOR: **Heber-Katz E**; Hansburg D; Schwartz R H
SOURCE: CURRENT TOPICS IN MICROBIOLOGY AND IMMUNOLOGY, (1982) 100 117-24.
Journal code: 0110513. ISSN: 0070-217X.
PUB. COUNTRY: GERMANY, WEST: Germany, Federal Republic of
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198209
ENTRY DATE: Entered STN: 19900317
Last Updated on STN: 19900317
Entered Medline: 19820924

L5 ANSWER 59 OF 124 MEDLINE
ACCESSION NUMBER: 82144285 MEDLINE
DOCUMENT NUMBER: 82144285 PubMed ID: 6174670
TITLE: Contribution of antigen-presenting cell major histocompatibility complex gene products to the specificity of antigen-induced T cell activation.
AUTHOR: **Heber-Katz E**; Schwartz R H; Matis L A; Hannum C;

Fairwell T; Appella E; Hansburg D
CONTRACT NUMBER: AI-12001 (NIAID)
SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1982 Apr 1) 155 (4) 1086-99.
Journal code: 2985109R. ISSN: 0022-1007.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198205
ENTRY DATE: Entered STN: 19900317
Last Updated on STN: 19970203
Entered Medline: 19820521

L5 ANSWER 60 OF 124 MEDLINE
ACCESSION NUMBER: 82143853 MEDLINE
DOCUMENT NUMBER: 82143853 PubMed ID: 7199547
TITLE: Use of a solid-phase 3H-radioimmunoassay for the measurement of immunoglobulin produced in short-term cultures of antibody-secreting cells.
AUTHOR: Mongini P K; **Heber-Katz E**
SOURCE: JOURNAL OF IMMUNOLOGICAL METHODS, (1982) 49 (1) 39-52.
Journal code: 1305440. ISSN: 0022-1759.
PUB. COUNTRY: Netherlands
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198205
ENTRY DATE: Entered STN: 19900317
Last Updated on STN: 19970203
Entered Medline: 19820521

L5 ANSWER 61 OF 124 MEDLINE
ACCESSION NUMBER: 81241325 MEDLINE
DOCUMENT NUMBER: 81241325 PubMed ID: 7252415
TITLE: Idiotype-anti-idiotype regulation. I. Immunization with a levan-binding myeloma protein leads to the appearance of auto-anti-(anti-idiotype) antibodies and to the activation of silent clones.
AUTHOR: Bona C A; **Heber-Katz E**; Paul W E
SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1981 Apr 1) 153 (4) 951-67.
Journal code: 2985109R. ISSN: 0022-1007.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198109
ENTRY DATE: Entered STN: 19900316
Last Updated on STN: 19900316
Entered Medline: 19810922

L5 ANSWER 62 OF 124 MEDLINE
ACCESSION NUMBER: 80138598 MEDLINE
DOCUMENT NUMBER: 80138598 PubMed ID: 6965694
TITLE: TNP-coupled membranes stimulate T cell proliferation via the macrophage.
AUTHOR: **Heber-Katz E**; Shevach E M
SOURCE: JOURNAL OF IMMUNOLOGY, (1980 Mar) 124 (3) 1503-5.
Journal code: 2985117F. ISSN: 0022-1767.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 198005
ENTRY DATE: Entered STN: 19900315

Last Updated on STN: 19900315
Entered Medline: 19800514

L5 ANSWER 63 OF 124 MEDLINE
ACCESSION NUMBER: 77244971 MEDLINE
DOCUMENT NUMBER: 77244971 PubMed ID: 70304
TITLE: On the possibility of multiple t-cell receptors.
AUTHOR: Wilson D B; **Heber-Katz E**; Sprent J; Howard J C
SOURCE: COLD SPRING HARBOR SYMPOSIA ON QUANTITATIVE BIOLOGY, (1977) 41 Pt 2 559-61.
Journal code: 1256107. ISSN: 0091-7451.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 197710
ENTRY DATE: Entered STN: 19900314
Last Updated on STN: 19900314
Entered Medline: 19771020

L5 ANSWER 64 OF 124 MEDLINE
ACCESSION NUMBER: 76121749 MEDLINE
DOCUMENT NUMBER: 76121749 PubMed ID: 55462
TITLE: Sheep red blood cell-specific helper activity in rat thoracic duct lymphocyte populations positively selected for reactivity to specific strong histocompatibility alloantigens.
AUTHOR: **Heber-Katz E**; Wilson D B
SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1976 Mar 1) 143 (3) 701-6.
Journal code: 2985109R. ISSN: 0022-1007.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 197604
ENTRY DATE: Entered STN: 19900313
Last Updated on STN: 19950206
Entered Medline: 19760427

L5 ANSWER 65 OF 124 MEDLINE
ACCESSION NUMBER: 76047307 MEDLINE
DOCUMENT NUMBER: 76047307 PubMed ID: 52686
TITLE: Collaboration of allogeneic T and B lymphocytes in the primary antibody response to sheep erythrocytes in vitro.
AUTHOR: **Heber-Katz E**; Wilson D B
SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1975 Oct 1) 142 (4) 928-35.
Journal code: 2985109R. ISSN: 0022-1007.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 197601
ENTRY DATE: Entered STN: 19900313
Last Updated on STN: 19900313
Entered Medline: 19760117

L5 ANSWER 66 OF 124 MEDLINE
ACCESSION NUMBER: 73072930 MEDLINE
DOCUMENT NUMBER: 73072930 PubMed ID: 4645593
TITLE: Immune responses in vitro. V. Role of mercaptoethanol in the mixed-leukocyte reaction.
AUTHOR: **Heber-Katz E**; Click R E
SOURCE: CELLULAR IMMUNOLOGY, (1972 Nov) 5 (3) 410-8.

Journal code: 1246405. ISSN: 0008-8749.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 197303
ENTRY DATE: Entered STN: 19900310
Last Updated on STN: 19970203
Entered Medline: 19730305

L5 ANSWER 67 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2000:657435 CAPLUS
DOCUMENT NUMBER: 134:206240
TITLE: Experimental autoimmune meningitis as a model for activation and differentiation of pathogenic T cells
AUTHOR(S): Perrin, Peter J.; Phillips, S. Michael; Rumbley, Catherine A.; Clark, Lise; **Heber-Katz, Ellen**
CORPORATE SOURCE: Department of Medicine, University of Pennsylvania School of Medicine, Philadelphia, PA, 19104, USA
SOURCE: Recent Research Developments in Immunology (1999), 1(Pt. 1), 197-207
CODEN: RRDIB8
PUBLISHER: Research Signpost
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English
REFERENCE COUNT: 74 THERE ARE 74 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 68 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1999:529246 CAPLUS
DOCUMENT NUMBER: 131:168353
TITLE: Identification of loci involved in accelerated wound healing and the development of new wound healing promoters
INVENTOR(S): **Heber-Katz, Ellen**
PATENT ASSIGNEE(S): The Wistar Institute, USA
SOURCE: PCT Int. Appl., 136 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9941364	A2	19990819	WO 1999-US2962	19990212
WO 9941364	A3	19991223		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2319700	AA	19990819	CA 1999-2319700	19990212
AU 9926720	A1	19990830	AU 1999-26720	19990212
EP 1053309	A1	20001122	EP 1999-906924	19990212
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002503460	T2	20020205	JP 2000-531545	19990212
PRIORITY APPLN. INFO.:			US 1998-74737P	A2 19980213
			US 1998-97937P	A2 19980826

US 1998-102051P A2 19980928
WO 1999-US2962 W 19990212

L5 ANSWER 69 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1995:632530 CAPLUS
DOCUMENT NUMBER: 123:53671
TITLE: Antigen presentation of self antigens
AUTHOR(S): Paterson, Yvonne; **Heber-Katz, Ellen**
CORPORATE SOURCE: Dep. Microbiology, Univ. Pennsylvania, Philadelphia, PA, 19104, USA
SOURCE: Molecular Pathology of Autoimmune Diseases (1993), 83-99. Editor(s): Bona, Constantin A.; et al. Harwood: Char, Switz.
CODEN: 61PBAP
DOCUMENT TYPE: Conference; General Review
LANGUAGE: English

L5 ANSWER 70 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1995:551311 CAPLUS
DOCUMENT NUMBER: 123:7326
TITLE: B- and T-cell epitope analysis in infectious diseases.
T-cell epitopes in herpes simplex virus 1 (HSV-1) glycoprotein D (gD)
AUTHOR(S): **Heber-Katz, Ellen**; Yamashita, Keizo
CORPORATE SOURCE: Wistar Institute, Philadelphia, PA, USA
SOURCE: Synth. Pept. Search B- T-Cell Epitopes (1994), 169-72. Editor(s): Rajnavolgyi, Eva. Landes: Austin, Tex.
CODEN: 61ETAO
DOCUMENT TYPE: Conference; General Review
LANGUAGE: English

L5 ANSWER 71 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1995:551308 CAPLUS
DOCUMENT NUMBER: 123:7324
TITLE: Synthetic peptides as T-cell epitopes. An alternative view for the topographical orientation of the T-cell receptor to the MHC-antigen complex
AUTHOR(S): Tang, Xao X.; Ikegaki, Naohiko; **Heber-Katz, Ellen**
CORPORATE SOURCE: Wistar Institute, Philadelphia, PA, USA
SOURCE: Synth. Pept. Search B- T-Cell Epitopes (1994), 119-40. Editor(s): Rajnavolgyi, Eva. Landes: Austin, Tex.
CODEN: 61ETAO
DOCUMENT TYPE: Conference; General Review
LANGUAGE: English

L5 ANSWER 72 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1994:189262 CAPLUS
DOCUMENT NUMBER: 120:189262
TITLE: Nucleotide sequences of three new members of the mouse V.alpha.2 gene family
AUTHOR(S): Tang, X. X.; Ikegaki, N.; **Heber-Katz, E.**
CORPORATE SOURCE: Immunol. Grad. Group, Univ. Pennsylvania, Philadelphia, PA, 19140, USA
SOURCE: Molecular Immunology (1994), 31(1), 79-82
CODEN: MOIMD5; ISSN: 0161-5890
DOCUMENT TYPE: Journal
LANGUAGE: English

L5 ANSWER 73 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1993:624042 CAPLUS
DOCUMENT NUMBER: 119:224042

TITLE: The V-region disease hypothesis: New evidence suggests it is probably wrong. Reply to comments
AUTHOR(S): **Heber-Katz, Ellen**; Acha-Orbea, Hans
CORPORATE SOURCE: Wistar Inst., Philadelphia, PA, 19104, USA
SOURCE: Immunology Today (1993), 14(8), 380-2
CODEN: IMTOD8; ISSN: 0167-4919
DOCUMENT TYPE: Journal
LANGUAGE: English

L5 ANSWER 74 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1993:446807 CAPLUS
DOCUMENT NUMBER: 119:46807
TITLE: In vivo expression of inducible nitric oxide synthase in experimentally induced neurologic diseases: [Erratum to document cited in CA118(25):252591e]
AUTHOR(S): Koprowski, Hilary; Zheng, Yong Mu; **Heber-Katz, Ellen**; Fraser, Nigel; Rorke, Lucy; Fu, Zhen Fang; Hanlon, Cathleen; Dietzschold, Bernhard
CORPORATE SOURCE: Cent. Neurovirol., Thomas Jefferson Univ., Philadelphia, PA, 19107, USA
SOURCE: Proceedings of the National Academy of Sciences of the United States of America (1993), 90(11), 5378
CODEN: PNASA6; ISSN: 0027-8424
DOCUMENT TYPE: Journal
LANGUAGE: English

L5 ANSWER 75 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1993:210856 CAPLUS
DOCUMENT NUMBER: 118:210856
TITLE: The autoreactive T cell receptor: Structure and biological activity
AUTHOR(S): **Heber-Katz, Ellen**
CORPORATE SOURCE: Wistar Inst., Philadelphia, PA, 19104, USA
SOURCE: NATO ASI Series, Series A: Life Sciences (1992), 233(T Lymphocytes), 145-51
CODEN: NALSDJ; ISSN: 0258-1213
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English

L5 ANSWER 76 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1993:78751 CAPLUS
DOCUMENT NUMBER: 118:78751
TITLE: Peptides as molecular probes of immune responses
AUTHOR(S): **Heber-Katz, Ellen**; Ertl, Hildegund C. J.
CORPORATE SOURCE: Wistar Inst., Philadelphia, PA, 19104, USA
SOURCE: Biomedical Applications of Biotechnology (1993), 1(Biol. Act. Pept.), 269-87
CODEN: BAPBER; ISSN: 1068-7408
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English

L5 ANSWER 77 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1992:424334 CAPLUS
DOCUMENT NUMBER: 117:24334
TITLE: The autoimmune T-cell receptor in experimental disease
AUTHOR(S): **Heber-Katz, Ellen**
CORPORATE SOURCE: Wistar Inst., Philadelphia, PA, USA
SOURCE: Immunology Series (1992), 55(Mol. Immunobiol. Self-React.), 155-69
CODEN: IMSED7; ISSN: 0092-6019
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English

L5 ANSWER 78 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1990:629471 CAPLUS
DOCUMENT NUMBER: 113:229471
TITLE: A transgenic model for tissue specific antigens: tolerance and clonal anergy
AUTHOR(S): Lo, David; Burkly, Linda; Markmann, James; **Heber-Katz, Ellen**; Naji, Ali; Flavell, Richard; Palmiter, Richard; Brinster, Ralph L.
CORPORATE SOURCE: Sch. Vet. Med., Univ. Pennsylvania, Philadelphia, PA, 19104, USA
SOURCE: UCLA Symp. Mol. Cell. Biol., New Ser. (1990), 113(Immunogenicity), 187-94
CODEN: USMBD6; ISSN: 0735-9543
DOCUMENT TYPE: Journal
LANGUAGE: English

L5 ANSWER 79 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1990:550117 CAPLUS
DOCUMENT NUMBER: 113:150117
TITLE: Synthetic branched polypeptides as carriers for low-molecular-weight antigens: correlation between chemical structure and biological functions
AUTHOR(S): Rajnavolgyi, E.; Hudecz, F.; Mezo, G.; Watari, E.; **Heber-Katz, E.**; Gaal, D.; Kurucz, I.; Szekerke, M.; Gergely, J.
CORPORATE SOURCE: Dep. Immunol., L. Eotvos Univ., God, H-2131, Hung.
SOURCE: Chim. Oggi (1990), 8(4), 21-8
CODEN: CHOGDS; ISSN: 0392-839X
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English

L5 ANSWER 80 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1989:21980 CAPLUS
DOCUMENT NUMBER: 110:21980
TITLE: Pathways to presentation
AUTHOR(S): **Heber-Katz, Ellen**; Watari, Eiji; Dietzschold, Bernhard
CORPORATE SOURCE: Wistar Inst., Philadelphia, PA, 19103, USA
SOURCE: Process. Presentation Antigens (1988), 133-41. Editor(s): Pernis, Benvenuto; Silverstein, Samuel C.; Vogel, Henry J. Academic: San Diego, Calif.
CODEN: 56HSAQ
DOCUMENT TYPE: Conference
LANGUAGE: English

L5 ANSWER 81 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1987:483883 CAPLUS
DOCUMENT NUMBER: 107:83883
TITLE: Vaccine for generating an immunogenic T cell response protective against a virus
INVENTOR(S): **Heber-Katz, Ellen**
PATENT ASSIGNEE(S): Wistar Institute, USA
SOURCE: Eur. Pat. Appl., 23 pp.
CODEN: EPKXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 203676	A2	19861203	EP 1986-301223	19860220
EP 203676	A3	19880302		
EP 203676	B1	19920129		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
AT 72123	E	19920215	AT 1986-301223	19860220

CA 1265054	A1	19900130	CA 1986-506804	19860416
EP 290246	A2	19881109	EP 1988-304045	19880505
EP 290246	A3	19900131		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
US 5837249	A	19981117	US 1993-139609	19931020
PRIORITY APPLN. INFO.:			US 1985-725087	19850419
			EP 1986-301223	19860220
			US 1987-47443	19870508
			US 1991-685459	19910412
			US 1992-868946	19920415

L5 ANSWER 82 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1985:22683 CAPLUS
DOCUMENT NUMBER: 102:22683
TITLE: Characterization of the murine TH response to influenza virus hemagglutinin: evidence for three major specificities
AUTHOR(S): Hurwitz, Julia L.; **Heber-Katz, Ellen**; Hackett, Charles J.; Gerhard, Walter
CORPORATE SOURCE: Wistar Inst. Anat. Biol., Philadelphia, PA, 19104, USA
SOURCE: J. Immunol. (1984), 133(6), 3371-7
CODEN: JOIMA3; ISSN: 0022-1767
DOCUMENT TYPE: Journal
LANGUAGE: English

L5 ANSWER 83 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1984:83838 CAPLUS
DOCUMENT NUMBER: 100:83838
TITLE: The Ia molecule contributes to the specificity of T cell activation
AUTHOR(S): Schwartz, R. H.; **Heber-Katz, E.**; Hansburg, D.
CORPORATE SOURCE: Lab. Immunol., Natl. Inst. Allergy Infect. Dis., Bethesda, MD, 20205, USA
SOURCE: Intercell. Commun. Leucocyte Funct., Proc. Int. Leucocyte Cult. Conf., 15th (1983), Meeting Date 1982, 117-25. Editor(s): Parker, John W.; O'Brien, Richard L. Wiley: Chichester, UK.
CODEN: 50UFAC
DOCUMENT TYPE: Conference
LANGUAGE: English

L5 ANSWER 84 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1983:556640 CAPLUS
DOCUMENT NUMBER: 99:156640
TITLE: The effect of antigen and Ia molecule interaction on immune response gene control
AUTHOR(S): **Heber-Katz, Ellen**; Schwartz, Ronald H.
CORPORATE SOURCE: Lab. Immunol., NIH, Bethesda, MD, 20205, USA
SOURCE: Ir Genes, [Ir Gene Workshop], 5th (1983), Meeting Date 1982, 295-304. Editor(s): Pierce, Carl W. Humana: Clifton, N. J.
CODEN: 50HZA7
DOCUMENT TYPE: Conference
LANGUAGE: English

L5 ANSWER 85 OF 124 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1982:560753 CAPLUS
DOCUMENT NUMBER: 97:160753
TITLE: I region-restricted antigen presentation by B cell-B lymphoma hybridomas
AUTHOR(S): Glimcher, L. H.; Hamano, T.; Asofsky, R.; **Heber-Katz, E.**; Hedrick, S.; Schwartz, R. H.;

CORPORATE SOURCE: Paul, W. E.
Lab. Immunol., Natl. Inst. Allergy Infect. Dis., Bethesda, MD, 20205, USA
SOURCE: Nature (London) (1982), 298(5871), 283-4
CODEN: NATUAS; ISSN: 0028-0836
DOCUMENT TYPE: Journal
LANGUAGE: English

L5 ANSWER 86 OF 124 LIFESCI COPYRIGHT 2002 CSA
ACCESSION NUMBER: 88:74709 LIFESCI
TITLE: The autoreactive T cell population in experimental allergic encephalomyelitis: T cell receptor beta -chain rearrangements.
AUTHOR: Happ, M.P.; Kiraly, A.S.; Offner, H.; Vandenbark, A.; **Heber-Katz, E.**
CORPORATE SOURCE: Wistar Inst., 36th St. at Spruce, Philadelphia, PA 19104, USA
SOURCE: J. NEUROIMMUNOL., (1988) vol. 19, no. 8, pp. 191-204.
DOCUMENT TYPE: Journal
FILE SEGMENT: F; N3
LANGUAGE: English
SUMMARY LANGUAGE: English

L5 ANSWER 87 OF 124 LIFESCI COPYRIGHT 2002 CSA
ACCESSION NUMBER: 88:25848 LIFESCI
TITLE: Overlapping T cell antigenic sites on a synthetic peptide fragment from herpes simplex virus glycoprotein D, the degenerate MHC restriction elicited, and functional evidence for antigen-Ia interaction.
AUTHOR: **Heber-Katz, E.**; Valentine, S.; Dietzschold, B.; Burns-Purzycki, C.
CORPORATE SOURCE: Wistar Inst. Anat. and Biol., Philadelphia, PA 19104, USA
SOURCE: J. EXP. MED., (1988) vol. 187, no. 2, pp. 275-287.
DOCUMENT TYPE: Journal
FILE SEGMENT: F; V
LANGUAGE: English
SUMMARY LANGUAGE: English

L5 ANSWER 88 OF 124 LIFESCI COPYRIGHT 2002 CSA
ACCESSION NUMBER: 88:6025 LIFESCI
TITLE: Differences in the repertoire of the Lewis rat T cell response to self and non-self myelin basic proteins.
AUTHOR: Happ, M.P.; **Heber-Katz, E.**
CORPORATE SOURCE: Wistar Inst., Philadelphia, PA 19104, USA
SOURCE: J. EXP. MED., (1988) vol. 187, no. 2, pp. 502-513.
DOCUMENT TYPE: Journal
FILE SEGMENT: F
LANGUAGE: English
SUMMARY LANGUAGE: English

L5 ANSWER 89 OF 124 LIFESCI COPYRIGHT 2002 CSA
ACCESSION NUMBER: 82:84090 LIFESCI
TITLE: The effect of antigen presentation on the fine specificity of anti-cytochrome c T cell hybridomas.
T CELL HYBRIDOMAS. A WORKSHOP AT THE BASEL INSTITUTE FOR IMMUNOLOGY.
AUTHOR: **Heber-Katz, E.**; Hansburg, D.; Schwartz, R.H.; von Boehmer, H. [editor]; Haas, W. [editor]; Koehler, G. [editor]; Melchers, F. [editor]; Zeuthen, J. [editor]; Buser-Boyd, S. [editor]
CORPORATE SOURCE: Natl. Inst. Allergy and Infect. Dis., Natl. Inst. Health, Build. 10, Rm. 11D14, Bethesda, MD 20205, USA
SOURCE: CURR. TOP. MICROBIOL. IMMUNOL., (1982) pp. 117-124.
Meeting Info.: Workshop on T Cell Hybridomas: Sources of Specific Mediators in the Immune System. Basel

(Switzerland). 27-29 Jan 1982.
ISBN: 3-540-11535-8.

DOCUMENT TYPE: Book
TREATMENT CODE: Conference
FILE SEGMENT: F
LANGUAGE: English

L5 ANSWER 90 OF 124 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 93226236 EMBASE
DOCUMENT NUMBER: 1993226236
TITLE: The V-region disease hypothesis: New evidence suggests it is probably wrong.
AUTHOR: Wilson D.B.; Steinman L.; Gold D.P.; **Heber-Katz E.**; Acha-Orbea H.
CORPORATE SOURCE: San Diego Regional Cancer Centr, 3099 Science Park Road, San Diego, CA 92121, United States
SOURCE: Immunology Today, (1993) 14/8 (376-382).
ISSN: 0167-5699 CODEN: IMTOD8
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal; (Short Survey)
FILE SEGMENT: 005 General Pathology and Pathological Anatomy
008 Neurology and Neurosurgery
022 Human Genetics
026 Immunology, Serology and Transplantation
LANGUAGE: English
SUMMARY LANGUAGE: English

L5 ANSWER 91 OF 124 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 93188749 EMBASE
DOCUMENT NUMBER: 1993188749
TITLE: Shared T-cell receptor gene usage in experimental allergic neuritis and encephalomyelitis [1].
AUTHOR: Jung S.; Hartung H.-P.; Toyka K.V.; **Heber-Katz E.**
CORPORATE SOURCE: Multiple Sclerosis Research Group, Department of Neurology, Julius-Maximilians University,Wurzburg, Germany
SOURCE: Annals of Neurology, (1993) 34/1 (113-114).
ISSN: 0364-5134 CODEN: ANNED3
COUNTRY: United States
DOCUMENT TYPE: Journal; Letter
FILE SEGMENT: 008 Neurology and Neurosurgery
026 Immunology, Serology and Transplantation
029 Clinical Biochemistry
LANGUAGE: English

L5 ANSWER 92 OF 124 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 93183057 EMBASE
DOCUMENT NUMBER: 1993183057
TITLE: Erratum: In vivo expression of inducible nitric oxide synthase in experimentally induced neurologic diseases (Proceedings of the National Academy of Sciences of the United States of America (April 1, 1993) 90 (3024-3027)).
AUTHOR: Koprowski H.; Yong Mu Zheng; **Heber-Katz E.**; Fraser N.; Forke L.; Zhen Fang Fu; Hanlon C.; Dietzschold B.
SOURCE: Proceedings of the National Academy of Sciences of the United States of America, (1993) 90/11 (5378).
ISSN: 0027-8424 CODEN: PNASA6
COUNTRY: United States
DOCUMENT TYPE: Journal; Errata
FILE SEGMENT: 008 Neurology and Neurosurgery
LANGUAGE: English

L5 ANSWER 93 OF 124 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 92231358 EMBASE
DOCUMENT NUMBER: 1992231358
TITLE: Observations, legends, and conjectures concerning restricted T-cell receptor usage and autoimmune disease.
AUTHOR: Esch T.; Clark L.; Zhang X.-M.; Goldman S.; **Heber-Katz E.**
CORPORATE SOURCE: Wistar Institute, 3601 Spruce Street, Philadelphia, PA 19104, United States
SOURCE: Critical Reviews in Immunology, (1991) 11/5 (249-264).
ISSN: 1040-8401 CODEN: CCRIDE
COUNTRY: United States
DOCUMENT TYPE: Journal; General Review
FILE SEGMENT: 005 General Pathology and Pathological Anatomy
036 Immunology, Serology and Transplantation
030 Pharmacology
037 Drug Literature Index
LANGUAGE: English
SUMMARY LANGUAGE: English

L5 ANSWER 94 OF 124 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 91031747 EMBASE
DOCUMENT NUMBER: 1991031747
TITLE: Conserved T cell receptor V gene usage by uveitogenic T cells.
AUTHOR: Gregerson D.S.; Fling S.P.; Merryman C.F.; Zhang X.; Li X.; **Heber-Katz E.**
CORPORATE SOURCE: Department of Ophthalmology, University of Minnesota, Minneapolis, MN 55455, United States
SOURCE: Clinical Immunology and Immunopathology, (1990) 58/1 (154-161).
ISSN: 0090-1229 CODEN: CLIIAT
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 005 General Pathology and Pathological Anatomy
012 Ophthalmology
022 Human Genetics
025 Hematology
026 Immunology, Serology and Transplantation
LANGUAGE: English
SUMMARY LANGUAGE: English

L5 ANSWER 95 OF 124 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 77040204 EMBASE
DOCUMENT NUMBER: 1977040204
TITLE: Sheep red blood cell specific helper activity in rat thoracic duct lymphocyte populations positively selected for reactivity to specific strong histocompatibility alloantigens.
AUTHOR: **Heber Katz E.**; Wilson D.B.
CORPORATE SOURCE: Immunobiol. Res. Unit, Dept. Pathol., Univ. Pennsylvania Sch. Med., Philadelphia, Pa. 19174, United States
SOURCE: Journal of Experimental Medicine, (1976) 143/3 (701-706).
CODEN: JEMEAV
DOCUMENT TYPE: Journal
LANGUAGE: English

L5 ANSWER 96 OF 124 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 76148576 EMBASE
DOCUMENT NUMBER: 1976148576
TITLE: Collaboration of allogeneic T and B lymphocytes in the primary antibody response to sheep erythrocytes in vitro.
AUTHOR: **Heber Katz E.**; Wilson D.B.
CORPORATE SOURCE: Immunobiol. Res. Unit, Dept. Pathol., Univ. Pennsylvania Sch. Med., Philadelphia, Pa. 19174, United States
SOURCE: Journal of Experimental Medicine, (1975) 142/4 (928-935).

CODEN: JEMEAV
DOCUMENT TYPE: Journal
FILE SEGMENT: 026 Immunology, Serology and Transplantation
025 Hematology
LANGUAGE: English

L5 ANSWER 97 OF 124 USPATFULL
ACCESSION NUMBER: 1998:143659 USPATFULL
TITLE: Method for generating an immunogenic T cell response protective against a virus
INVENTOR(S): **Heber-Katz, Ellen**, Philadelphia, PA, United States
Dietzschold, Bernhard, Newtown Square, PA, United States
PATENT ASSIGNEE(S): The Wistar Institute, Philadelphia, PA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5837249		19981117
APPLICATION INFO.:	US 1993-139609		19931020 (8)

RELATED APPLN. INFO.: Continuation of Ser. No. US 1992-868946, filed on 15 Apr 1992, now abandoned which is a continuation-in-part of Ser. No. US 1991-685459, filed on 12 Apr 1991, now abandoned which is a continuation of Ser. No. US 1987-47443, filed on 8 May 1987, now abandoned which is a continuation-in-part of Ser. No. US 1985-725087, filed on 19 Apr 1985, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Woodward, Michael P.
LEGAL REPRESENTATIVE: Banner & Witcoff, Ltd.
NUMBER OF CLAIMS: 21
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 9 Drawing Figure(s); 6 Drawing Page(s)
LINE COUNT: 1114
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 98 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2001:44505 BIOSIS
DOCUMENT NUMBER: PREV200100044505
TITLE: T cell differentiation in complementary models of murine experimental autoimmune meningitis.
AUTHOR(S): Perrin, Peter J. (1); Phillips, S. Michael (1); Beswick, Richard L. (1); Rumbley, Catherine A. (1); Clark, Lise; Otvoz, Laszlo, Jr.; **Heber-Katz, Ellen**
CORPORATE SOURCE: (1) University of Pennsylvania Medical School, Philadelphia, PA USA
SOURCE: FASEB Journal, (April 20, 2000) Vol. 14, No. 6, pp. A997. print.
Meeting Info.: Joint Annual Meeting of the American Association of Immunologists and the Clinical Immunology Society Seattle, Washington, USA May 12-16, 2000
ISSN: 0892-6638.
DOCUMENT TYPE: Conference
LANGUAGE: English
SUMMARY LANGUAGE: English

L5 ANSWER 99 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1998:528946 BIOSIS
DOCUMENT NUMBER: PREV199800528946
TITLE: Tolerance induction in EAE with acylated peptides.
AUTHOR(S): St Louis, J. (1); Zhang, X.-M.; **Heber-Katz, E.**; Singh, B. (1); Strejan, G. H. (1)

CORPORATE SOURCE: (1) Univ. Western Ont., London, ON Canada
SOURCE: Journal of Neuroimmunology, (Sept. 1, 1998) Vol. 90, No. 1, pp. 37.
Meeting Info.: Fifth International Congress of the International Society of Neuroimmunology Montreal, Canada August 23-27, 1998 International Society of Neuroimmunology . ISSN: 0165-5728.
DOCUMENT TYPE: Conference
LANGUAGE: English

L5 ANSWER 100 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1995:518964 BIOSIS
DOCUMENT NUMBER: PREV199598533264
TITLE: The relationship between human multiple sclerosis and rodent experimental allergic encephalomyelitis.
AUTHOR(S): **Heber-Katz, Ellen**
CORPORATE SOURCE: Wistar Inst., 3601 Spruce St., Philadelphia, PA 19104 USA
SOURCE: Davis, M. M. [Editor]; Buxbaum, J. [Editor]. Annals of the New York Academy of Sciences, (1995) Vol. 756, pp. 283-293. Annals of the New York Academy of Sciences; T-cell receptor use in human autoimmune diseases.
Publisher: New York Academy of Sciences 2 East 63rd Street, New York, New York 10021, USA.
Meeting Info.: Conference San Diego, California, USA April 17-20, 1994
ISSN: 0077-8923. ISBN: 0-89766-916-9 (paper), 0-89766-915-0 (cloth).
DOCUMENT TYPE: Book; Conference
LANGUAGE: English

L5 ANSWER 101 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1994:459413 BIOSIS
DOCUMENT NUMBER: PREV199497472413
TITLE: Is experimental allergic encephalomyelitis: A model of multiple sclerosis.
AUTHOR(S): **Heber-Katz, Ellen**
CORPORATE SOURCE: Wistar Inst., 3601 Spruce Street, Philadelphia, PA 19104 USA
SOURCE: Coutinho, A. [Editor]; Kazatchkine, M. D. [Editor]. (1994) pp. 353-364. Autoimmunity: Physiology and disease.
Publisher: Wiley-Liss, Inc. 605 Third Avenue, New York, New York 10158-0012, USA.
ISBN: 0-471-59227-7.
DOCUMENT TYPE: Book
LANGUAGE: English

L5 ANSWER 102 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1993:334535 BIOSIS
DOCUMENT NUMBER: PREV199345029260
TITLE: Oral tolerance in experimental autoimmune encephalomyelitis (EAE): T cell anergy.
AUTHOR(S): Whitacre, Caroline (1); Gienapp, Ingrid; Cox, Karen; Jewell, Scott; Javed, Najima; Goldman, Shari; **Heber-Katz, Ellen**
CORPORATE SOURCE: (1) Ohio State University, Columbus, OH 43210 USA
SOURCE: Journal of Immunology, (1993) Vol. 150, No. 8 PART 2, pp. 245A.
Meeting Info.: Joint Meeting of the American Association of

Immunologists and the Clinical Immunology Society Denver, Colorado, USA May 21-25, 1993
ISSN: 0022-1767.
DOCUMENT TYPE: Conference
LANGUAGE: English

L5 ANSWER 103 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1991:335695 BIOSIS
DOCUMENT NUMBER: BR41:32245
TITLE: INHIBITION OF EAE INDUCTION BY NONENCEPHALITOGENIC CD4-NEGATIVE CD8-NEGATIVE V-ALPHA-2V-BETA-8.2-PLUS ANTI-MYELIN BASIC PROTEIN RAT T CELL CLONE.
AUTHOR(S): LIDER O; EPPERSON D; ZHANG X; **HEBER-KATZ E**; WEINER H L; MILLER A
CORPORATE SOURCE: REHOVOT, ISRAEL.
SOURCE: 43RD ANNUAL MEETING OF THE AMERICAN ACADEMY OF NEUROLOGY, BOSTON, MASSACHUSETTS, USA, APRIL 20-27, 1991. NEUROLOGY, (1991) 41 (3 SUPPL 1), 317.
CODEN: NEUROAI. ISSN: 0028-3878.
DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

L5 ANSWER 104 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1991:332129 BIOSIS
DOCUMENT NUMBER: BR41:28679
TITLE: NEUROANTIGEN-SPECIFIC IMMUNE TOLERANCE IN EXPERIMENTAL AUTOIMMUNE NEURITIS.
AUTHOR(S): GREGORIAN S K; **HEBER-KATZ E**; ROSTAMI A
CORPORATE SOURCE: DEP. NEUROL., IMMUNOL. GRADUATE GROUP, UNIV. PENNSYLVANIA, SCH. MED., PHILADELPHIA, PA. 19104.
SOURCE: 75TH ANNUAL MEETING OF THE FEDERATION OF AMERICAN SOCIETIES FOR EXPERIMENTAL BIOLOGY, ATLANTA, GEORGIA, USA, APRIL 21-25, 1991. FASEB (FED AM SOC EXP BIOL) J, (1991) 5 (6), A1777.
CODEN: FAJOEC. ISSN: 0892-6638.
DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

L5 ANSWER 105 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1991:196241 BIOSIS
DOCUMENT NUMBER: BR40:93521
TITLE: FURTHER STUDIES ON THE V-REGION DISEASE HYPOTHESIS.
AUTHOR(S): **HEBER-KATZ E**
CORPORATE SOURCE: WISTAR INST., PHILADELPHIA, PA. 19104.
SOURCE: SYMPOSIUM ON SELF REACTIVITY AND ITS REGULATION HELD AT THE 20TH ANNUAL MEETING OF THE KEYSTONE SYMPOSIA ON MOLECULAR AND CELLULAR BIOLOGY, KEYSTONE, COLORADO, USA, JANUARY 17-24, 1991. J CELL BIOCHEM SUPPL, (1991) 0 (15 PART A), 231.
CODEN: JCBSD7.
DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

L5 ANSWER 106 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1990:436981 BIOSIS
DOCUMENT NUMBER: BR39:84842
TITLE: A NEW HIERARCHY OF TCR SPECIFICITY AUTOIMMUNE DISEASES ARE DEFINED BY PARTICULAR V-ALPHA-V-BETA COMBINATIONS AND NOT BY ANTIGEN SPECIFICITY.
AUTHOR(S): **HEBER-KATZ E**
CORPORATE SOURCE: WISTAR INST. ANAT. AND BIOL., PHILADELPHIA, PA. 19104.

SOURCE: COLD SPRING HARBOR LABORATORY. COLD SPRING HARBOR SYMPOSIA ON QUANTITATIVE BIOLOGY, VOL. 54. NOS. 1 AND 2. IMMUNOLOGICAL RECOGNITION. XIX+603P.(NO. 1); XI+PAGINATION VARIES(NO. 2) COLD SPRING HARBOR LABORATORY PRESS: COLD SPRING HARBOR, NEW YORK, USA. ILLUS, (1989 (1990)) 0 (0), 875-878.
CODEN: CSHSAZ. ISSN: 0091-7451. ISBN: 0-87969-057-7 (CLOTH), 0-87969-058-5 (PAPER).

DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

L5 ANSWER 107 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1990:324911 BIOSIS
DOCUMENT NUMBER: BR39:32247
TITLE: ORAL TOLERANCE IN EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS
EAE A SEARCH FOR THE MBP-SPECIFIC T CELL RECEPTOR.
AUTHOR(S): WHITACRE C C; GIENAPP I E; ZHANG X; **HEBER-KATZ E**
CORPORATE SOURCE: THE OHIO STATE UNIV. COLL. MED., COLUMBUS, OHIO 43210, USA.
SOURCE: JOINT MEETING OF THE AMERICAN SOCIETY FOR BIOCHEMISTRY AND MOLECULAR BIOLOGY AND THE AMERICAN ASSOCIATION OF IMMUNOLOGISTS, NEW ORLEANS, LOUISIANA, USA, JUNE 4-7, 1990.
FASEB (FED AM SOC EXP BIOL) J, (1990) 4 (7), A1856.
CODEN: FAJOEC. ISSN: 0892-6638.

DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

L5 ANSWER 108 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1989:234621 BIOSIS
DOCUMENT NUMBER: BR36:113105
TITLE: AG PRESENTATION BY TRANSGENIC IE-POSITIVE BETA CELLS.
AUTHOR(S): MARKMANN J F; LO D; NAJI A; PALMITTER R; BRINSTER R; **HEBER-KATZ E**
CORPORATE SOURCE: UNIV. PENNSYLVANIA, PHILADELPHIA, PA. 19104.
SOURCE: 73RD ANNUAL MEETING OF THE FEDERATION OF AMERICAN SOCIETIES FOR EXPERIMENTAL BIOLOGY, NEW ORLEANS, LOUISIANA, USA, MARCH 19-23, 1989. FASEB (FED AM SOC EXP BIOL) J, (1989) 3 (3), A301.
CODEN: FAJOEC. ISSN: 0892-6638.

DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

L5 ANSWER 109 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1989:83718 BIOSIS
DOCUMENT NUMBER: BR36:39809
TITLE: PATHWAYS TO PRESENTATION.
AUTHOR(S): **HEBER-KATZ E**; WATARI E; DIETZSCHOLD B
CORPORATE SOURCE: WISTAR INST., PHILADELPHIA, PA. 19103.
SOURCE: PERNIS, B., S. C. SILVERSTEIN AND H. J. VOGEL (ED.). PROCESSING AND PRESENTATION OF ANTIGENS; P AND S BIOMEDICAL SCIENCES SYMPOSIUM, NEW YORK, NEW YORK, USA, MAY 30-JUNE 1, 1986. XIV+324P. ACADEMIC PRESS, INC.: SAN DIEGO, CALIFORNIA, USA; LONDON, ENGLAND, UK. ILLUS, (1988) 0 (0), 133-142.
ISBN: 0-12-551855-2.

FILE SEGMENT: BR; OLD
LANGUAGE: English

L5 ANSWER 110 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1988:103400 BIOSIS
DOCUMENT NUMBER: BR34:49742
TITLE: THE LEW PAT T CELL RESPONSE REPERTOIRE TO AN AUTOANTIGEN AND ITS REGULATION BY ANTI-T CELL RECEPTOR ANTIBODY.
AUTHOR(S): **HEBER-KATZ E**; OWHASHI M; HAPP M P
CORPORATE SOURCE: WISTAR INST., 3601 SPRUCE ST., PHILADELPHIA, PA. 19104, USA.
SOURCE: SECOND INTERNATIONAL CONGRESS OF NEUROIMMUNOLOGY, PHILADELPHIA, PENNSYLVANIA, USA, SEPTEMBER 8-11, 1987. J NEUROIMMUNOL, (1987) 16 (1), 75.
CODEN: JNRIDW. ISSN: 0165-5728.
DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

L5 ANSWER 111 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1987:411814 BIOSIS
DOCUMENT NUMBER: BR33:81492
TITLE: A NEW PATHWAY TO ANTIGEN PRESENTATION.
AUTHOR(S): **HEBER-KATZ E**; WATARI E; DIETZSCHOLD B
CORPORATE SOURCE: WISTAR INST., PHILADELPHIA, PA. 19104.
SOURCE: SYMPOSIUM ON THE T CELL RECEPTOR HELD AT THE 16TH ANNUAL MEETING OF THE UCLA (UNIVERSITY OF CALIFORNIA-LOS ANGELES) SYMPOSIA ON MOLECULAR AND CELLULAR BIOLOGY, LOS ANGELES, CALIFORNIA, USA, APRIL 26-MAY 1, 1987. J CELL BIOCHEM SUPPL, (1987) 0 (11 PART D), 288.
CODEN: JCBSD7.
DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

L5 ANSWER 112 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1987:411719 BIOSIS
DOCUMENT NUMBER: BR33:81397
TITLE: THE T CELL RESPONSE IN EXPERIMENTAL ALLERGIC ENCEPHALOMYELITIS CLONALITY AT THE LEVEL OF ANTIGEN SPECIFICITY AND T CELL RECEPTOR GENE REARRANGEMENTS.
AUTHOR(S): HAPP M P; KIRALY A S; OFFNER H; VANDENBARK A; **HEBER-KATZ E**
CORPORATE SOURCE: WISTAR INST., PHILADELPHIA, PA. 19104.
SOURCE: SYMPOSIUM ON THE T CELL RECEPTOR HELD AT THE 16TH ANNUAL MEETING OF THE UCLA (UNIVERSITY OF CALIFORNIA-LOS ANGELES) SYMPOSIA ON MOLECULAR AND CELLULAR BIOLOGY, LOS ANGELES, CALIFORNIA, USA, APRIL 26-MAY 1, 1987. J CELL BIOCHEM SUPPL, (1987) 0 (11 PART D), 256.
CODEN: JCBSD7.
DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

L5 ANSWER 113 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1987:75678 BIOSIS
DOCUMENT NUMBER: BR32:35871
TITLE: SPECIFIC LONG-TERM PROTECTION FROM A LETHAL HERPES SIMPLEX VIRUS INFECTION IN THE ABSENCE OF A DETECTABLE ANTIBODY RESPONSE.
AUTHOR(S): **HEBER-KATZ E**; WATARI E; DIETZSCHOLD B
CORPORATE SOURCE: WISTAR INST., PHILADELPHIA, PA. 19104.
SOURCE: BROWN, F., R. M. CHANOCK AND R. A. LERNER (ED.). NEW APPROACHES TO IMMUNIZATION: DEVELOPING VACCINES AGAINST PARASITIC, BACTERIAL, AND VIRAL DISEASES; CONFERENCE ON VACCINES 86, COLD SPRING HARBOR, N.Y., USA. XXI+418P. COLD SPRING HARBOR LABORATORY: COLD SPRING HARBOR, N.Y., USA. ILLUS. PAPER, (1986) 0 (0), 65-70.
ISBN: 0-87969-190-5.

FILE SEGMENT: BR; OLD
LANGUAGE: English

L5 ANSWER 114 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1986:230859 BIOSIS
DOCUMENT NUMBER: BR30:113355
TITLE: RESISTANCE TO EXPERIMENTAL ALLERGIC ENCEPHALOMYELITIS REGULATION BY NON-MAJOR HISTOCOMPATIBILITY COMPLEX GENES.
AUTHOR(S): HAPP M P; WETTSTEIN P; **HEBER-KATZ E**
CORPORATE SOURCE: WISTAR INSTITUTE, PHILADELPHIA, PA. 19104.
SOURCE: SYMPOSIUM ON IMMUNE REGULATION BY CHARACTERIZED POLYPEPTIDES HELD AT THE 15TH ANNUAL UCLA (UNIVERSITY OF CALIFORNIA-LOS ANGELES) MEETING ON MOLECULAR AND CELLULAR BIOLOGY, LOS ANGELES, CALIF., USA, JAN. 25-FEB. 1, 1986. J CELL BIOCHEM SUPPL, (1986) 0 (10 PART A), 98.
CODEN: JCBSD7.
DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

L5 ANSWER 115 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1986:66338 BIOSIS
DOCUMENT NUMBER: BR30:66338
TITLE: THE MURINE T CELL RESPONSE TO THE GLYCOPROTEIN D OF HERPES SIMPLEX VIRUS.
AUTHOR(S): **HEBER-KATZ E**; HOLLOSI M; DIETSCHOLD B; HEDECZ F; FASMAN G
CORPORATE SOURCE: WISTAR INST., PHILADELPHIA, PA. 19104.
SOURCE: LAVER, W. G. AND G. M. AIR (ED.). CURRENT COMMUNICATIONS IN MOLECULAR BIOLOGY: IMMUNE RECOGNITION OF PROTEIN ANTIGENS; MEETING, COLD SPRING HARBOR, N.Y., USA, MAR. 1985. X+197P. COLD SPRING HARBOR LABORATORY: COLD SPRING HARBOR, N.Y., USA. ILLUS. PAPER, (1985) 0 (0), 134-138.
ISBN: 0-87969-185-9.
FILE SEGMENT: BR; OLD
LANGUAGE: English

L5 ANSWER 116 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1986:25225 BIOSIS
DOCUMENT NUMBER: BR30:25225
TITLE: STRUCTURE-FUNCTION RELATIONSHIP IN IMMUNOGENIC SYNTHETIC HERPES SIMPLEX VIRUS PEPTIDES.
AUTHOR(S): DIETZSCHOLD B; **HEBER-KATZ E**; HUDECZ F; HOLLOSI M; FASMAN G; EISENBERG R J; COHEN G H
CORPORATE SOURCE: WISTAR INST. ANAT. AND BIOL., PHILADELPHIA, PA. 19104.
SOURCE: LERNER, R. A., R. M. CHANOCK AND F. BROWN (ED.). VACCINES 85: MOLECULAR AND CHEMICAL BASIS OF RESISTANCE TO PARASITIC, BACTERIAL, AND VIRAL DISEASES; MEETING, 1983. XXI+407P. COLD SPRING HARBOR LABORATORY: COLD SPRING HARBOR, N.Y., USA. ILLUS. PAPER, (1985) 0 (0), 227-234.
ISBN: 0-87969-181-6.
FILE SEGMENT: BR; OLD
LANGUAGE: English

L5 ANSWER 117 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1985:87455 BIOSIS
DOCUMENT NUMBER: BR28:87455
TITLE: CONFORMATION OF SYNTHETIC PEPTIDES OF HERPES SIMPLEX VIRUS GLYCOPROTEIN D-GD.
AUTHOR(S): HOLLOSI M; DIETZSCHOLD B; **HEBER-KATZ E**; HUDECZ F; VARRICHIO A; FASMAN G D
CORPORATE SOURCE: GRADUATE DEPARTMENT OF BIOCHEMISTRY, BRANDEIS UNIVERISTY, WALTHAM, MA.
SOURCE: 188TH AMERICAN CHEMICAL SOCIETY MEETING, PHILADELPHIA, PA.,

USA, AUG. 26-31, 1984. ABSTR PAP AM CHEM SOC, (1984) 188 (0), NO PAGINATION.
CODEN: ACSPAL. ISSN: 0065-7727.

DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

L5 ANSWER 118 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1984:127846 BIOSIS
DOCUMENT NUMBER: BR27:44338
TITLE: GENETIC CONTROL OF THE T CELL RESPONSE TO PEPTIDES OF THE GLYCOPROTEIN D-GD OF HERPES SIMPLEX VIRUS.
AUTHOR(S): **HEBER-KATZ E**; DIETZSCHOLD B
CORPORATE SOURCE: WISTAR INST., PHILADELPHIA, PA. 19104.
SOURCE: SYMPOSIUM ON REGULATION OF THE IMMUNE SYSTEM HELD AT THE 13TH ANNUAL UCLA (UNIVERSITY OF CALIFORNIA - LOS ANGELES) SYMPOSIA, LOS ANGELES, CALIF., USA, MAR. 18-25, 1984. J CELL BIOCHEM, (1984) 0 (8 PART A), 103.
CODEN: JCBSD7.

DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

L5 ANSWER 119 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1982:95660 BIOSIS
DOCUMENT NUMBER: BR23:25652
TITLE: PROOF OF ANTIGEN IA INTERACTION SHOWN BY THE SPECIFICITY OF ANTIGEN INDUCED ACTIVATION OF T CELL HYBRIDOMAS.
AUTHOR(S): **HEBER-KATZ E**; HANSBURG D; SCHWARTZ R H
CORPORATE SOURCE: NIH, BETHESDA, MD., 20014.
SOURCE: 66TH ANNUAL MEETING OF THE FEDERATION OF AMERICAN SOCIETIES FOR EXPERIMENTAL BIOLOGY, NEW ORLEANS, LA., USA, APRIL 15-23, 1982. FED PROC, (1982) 41 (3), ABSTRACT 1216.
CODEN: FEPRA7. ISSN: 0014-9446.

DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

L5 ANSWER 120 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1982:94816 BIOSIS
DOCUMENT NUMBER: BR23:14808
TITLE: I REGION RESTRICTED ANTIGEN PRESENTATION BY B CELL B LYMPHOMA CELL HYBRIDOMAS.
AUTHOR(S): GLIMCHER L; HAMANO T; ASOFSKY R; **HEBER-KATZ E**; HEDRICK S; GREEN I; PAUL W E
CORPORATE SOURCE: NIH, BETHESDA, MD. 20205.
SOURCE: 66TH ANNUAL MEETING OF THE FEDERATION OF AMERICAN SOCIETIES FOR EXPERIMENTAL BIOLOGY, NEW ORLEANS, LA., USA, APRIL 15-23, 1982. FED PROC, (1982) 41 (3), ABSTRACT 2636.
CODEN: FEPRA7. ISSN: 0014-9446.

DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

L5 ANSWER 121 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1981:90800 BIOSIS
DOCUMENT NUMBER: BR21:25796
TITLE: IDIOTYPE ANTI IDIOTYPE PATHWAYS AND THE REGULATION OF IMMUNE RESPONSES.
AUTHOR(S): PAUL W E; **HEBER-KATZ E**; BONA C
CORPORATE SOURCE: NIH, BETHESDA, MD. 20205.
SOURCE: 65TH ANNUAL MEETING OF THE FEDERATION OF AMERICAN SOCIETIES

FOR EXPERIMENTAL BIOLOGY, ATLANTA, GA., USA, APRIL 12-17, 1981. FED PROC, (1981) 40 (3 PART 2), 1008.
CODEN: FEPPA7. ISSN: 0014-9446.

DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: English

L5 ANSWER 122 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1978:70733 BIOSIS
DOCUMENT NUMBER: BR15:14233
TITLE: CONSIDERATIONS OF THE NATURE AND SPECIFICITY OF THYMUS DERIVED CELL TRIGGERING AND OF CELL-CELL INTERACTIONS IN THE IMMUNE RESPONSE.
AUTHOR(S): WILSON D B; **HEBER-KATZ E**; MARSHAK A; LINDAHL K F
SOURCE: COOPER, MAX D. AND DELBERT H. DAYTON (ED.). MONOGRAPH OF THE NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT. DEVELOPMENT OF HOST DEFENSES. CONFERENCE, MAY 1976. XIV+306P. ILLUS. RAVEN PRESS: NEW YORK, N.Y., USA, (1977) 133-140.
ISBN: 0-89004-117-2.
FILE SEGMENT: BR; OLD
LANGUAGE: Unavailable

L5 ANSWER 123 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1978:888 BIOSIS
DOCUMENT NUMBER: BR14:888
TITLE: ON THE POSSIBILITY OF MULTIPLE THYMUS DERIVED CELL RECEPTORS.
AUTHOR(S): WILSON D B; **HEBER-KATZ E**; SPRENT J; HOWARD J C
SOURCE: COLD SPRING HARBOR LAB. COLD SPRING HARBOR SYMPOSIA ON QUANTITATIVE BIOLOGY, VOL. 41, PARTS 1 AND 2. ORIGINS OF LYMPHOCYTE DIVERSITY. COLD SPRING HARBOR, N.Y., USA, 1976. XXII+437P(PART 1); XII+509P(PART 2). ILLUS. COLD SPRING HARBOR LABORATORY: COLD SPRING HARBOR, N.Y., USA, (1977) 559-561.
ISBN: 0-87696-040-2.
FILE SEGMENT: BR; OLD
LANGUAGE: Unavailable

L5 ANSWER 124 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1976:37624 BIOSIS
DOCUMENT NUMBER: BR12:37624
TITLE: RAT THYMUS DERIVED CELLS POSITIVELY SELECTED FOR RESPONSIVENESS TO ALLO ANTIGENS OF A MAJOR HISTO COMPATIBILITY COMPLEX HAPLOTYPE SHOW UNALTERED SHEEP RED BLOOD CELL SPECIFIC HELPER ACTIVITY.
AUTHOR(S): **HEBER-KATZ E**; WILSON D B
SOURCE: Fed. Proc., (1976) 35 (3), 627.
CODEN: FEPPA7. ISSN: 0014-9446.
DOCUMENT TYPE: Conference
FILE SEGMENT: BR; OLD
LANGUAGE: Unavailable

=> s propylthiouracil and (cardiac or heart)

L6 1092 PROPYLTHIOURACIL AND (CARDIAC OR HEART)

=> s propylthiouracil (p) (cardiac or heart)

L7 486 PROPYLTHIOURACIL (P) (CARDIAC OR HEART)

=> s l7 and (heal? or wound or scar)

L8 15 L7 AND (HEAL? OR WOUND OR SCAR)

=> dup rem l8

PROCESSING COMPLETED FOR L8
L9 13 DUP REM L8 (2 DUPLICATES REMOVED)

=> d l9 ibib abs tot

L9 ANSWER 1 OF 13 USPATFULL
ACCESSION NUMBER: 2002:209575 USPATFULL
TITLE: Controlled release oral dosage for suitable for oral administration
INVENTOR(S): Mulye, Nirmal, Long Beach, NY, United States
PATENT ASSIGNEE(S): Norstrum Pharmaceuticals, Inc., Long Beach, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6437000	B1	20020820
APPLICATION INFO.:	US 2000-650837		20000830 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-152114P	19990902 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Pryor, Alton
LEGAL REPRESENTATIVE: Scully, Scott, Murphy & Presser
NUMBER OF CLAIMS: 38
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)
LINE COUNT: 826
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to a pharmaceutical composition, preferably in the form of a tablet comprising a therapeutically effective amount of a medicament in a carrier comprising a water insoluble polymer and a water-insoluble inorganic salt.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 2 OF 13 USPATFULL
ACCESSION NUMBER: 2002:152387 USPATFULL
TITLE: Correcting diastolic dysfunction in heart failure
INVENTOR(S): Metzger, Joseph M., Ann Arbor, MI, United States
PATENT ASSIGNEE(S): The Regents of The University of Michigan, Ann Arbor, MI, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6410236	B1	20020625
APPLICATION INFO.:	US 1999-387919		19990901 (9)

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Clark, Deborah J. R.
ASSISTANT EXAMINER: Brunovskis, Peter
LEGAL REPRESENTATIVE: Medlen & Carroll, LLP
NUMBER OF CLAIMS: 3
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 9 Drawing Figure(s); 9 Drawing Page(s)
LINE COUNT: 1528
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to the overexpression of a calcium binding protein in cardiac myocytes in vivo and in vitro, and in particular, to the correction of diastolic dysfunction. Expression of the calcium binding protein parvalbumin in cardiac myocytes results in an increase

in the rate of relaxation of the cardiac myocyte, in vivo and in vitro. The parvalbumin is expressed from an adenovirus vector, adeno-associated virus vector, or gutted adenovirus vector. The transfected in vivo and in vitro cardiac myocytes are also useful in drug screens.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 3 OF 13 USPATFULL

ACCESSION NUMBER: 2001:150697 USPATFULL
TITLE: Delivery of oral drugs
INVENTOR(S): Staniforth, John, Bath, Great Britain
Tobyn, Michael, Wileshire, Great Britain

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2001020147	A1	20010906	
APPLICATION INFO.:	US 2001-793304	A1	20010226	(9)

	NUMBER	DATE
PRIORITY INFORMATION:	GB 2000-4701	20000228
	GB 2000-9023	20000412

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: DAVIDSON, DAVIDSON & KAPPEL, LLC, 485 Seventh Avenue, 14th Floor, New York, NY, 10018

NUMBER OF CLAIMS: 91
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 18 Drawing Page(s)
LINE COUNT: 2247

AB Disclosed is a system for delivery of a drug comprising a multiple unit dosing device comprising a housing and an actuator, said device containing multiple doses of multiparticulates comprising drug particles, said device upon actuation delivering a unit dose of said multiparticulates, said drug particles having a mean diameter of greater than 10 .mu.m to about 1 mm such that an effective dose of said drug cannot be delivered into the lower lung of a human patient. Also disclosed are novel methods, devices and dosage forms for delivering a drug.

L9 ANSWER 4 OF 13 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 2001113245 EMBASE
TITLE: Congenital thyrotoxicosis in premature infants.
AUTHOR: Smith C.; Thomsett M.; Choong C.; Rodda C.; McIntyre H.D.; Cotterill A.M.
CORPORATE SOURCE: Dr. A.M. Cotterill, Dept. of Paediatric Endocrinology, Mater Children's Hospital, Brisbane, QLD 4101, Australia
SOURCE: Clinical Endocrinology, (2001) 54/3 (371-376).
Refs: 19
ISSN: 0300-0664 CODEN: CLENAO
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 003 Endocrinology
007 Pediatrics and Pediatric Surgery
037 Drug Literature Index
038 Adverse Reactions Titles
LANGUAGE: English
SUMMARY LANGUAGE: English

AB OBJECTIVES: Graves' disease (GD) complicates 0.1% to 0.2% of pregnancies, but congenital thyrotoxicosis is rare occurring in one in 70 of these pregnancies independent of maternal disease status. Antenatal prediction of affected infants is imprecise; however, maternal history, coupled with a high maternal serum TSH receptor binding immunoglobulin index (TBII)

predict adverse neonatal outcome. Mortality is reported to be as high as 25% in affected infants and would therefore be expected to be higher in premature infants. This study illustrates that in sick, premature, extreme low birth weight (ELBW) or intrauterine growth retarded (IUGR) infants, the diagnosis maybe overlooked especially in the absence of antenatal risk assessment and management of thyrotoxicosis in this setting is complex. DESIGN and PATIENTS: The records of premature neonates born at the three main maternity units in Brisbane, between January 1996 and July 1998 diagnosed with congenital thyrotoxicosis were reviewed. Data were recorded on gestational age, birth weight (B Wt), maternal thyroid history and current status, and neonatal course. Thyroid function and TBII status was assessed using standard biochemical assays. RESULTS: Seven neonates from five pregnancies were identified (four female, three male). Mean gestational age was 30 week (25-36 week) and median B Wt was 1.96 kg (0.50-2.62 kg). Only one mother received formal antenatal counselling by a paediatric endocrine service and had a TBII (54%) measured prior to delivery. Three of five mothers had elevated TBII measured after diagnosis in their offspring (57%, 65%, 83%) and in one mother, a TBII was not performed. All mothers were biochemically euthyroid at delivery. Mean age at diagnosis was 9 days (1-16 days) and mean age at commencement of treatment was 12 days (7-26 days). Two infants received **propylthiouracil** and five received a combination of carbimazole and propranolol. Four became biochemically hypothyroid, in three this resolved with cessation of the antithyroid drug (ATD), and one required ongoing T4 supplementation. Only one infant required treatment for **cardiac** failure and there were no deaths in this cohort. CONCLUSIONS: This is a large series of extremely small and premature infants with neonatal thyrotoxicosis. Presentation was nonspecific. The diagnosis was delayed because of low birth weight, prematurity, multiple birth and/or an unrecognized maternal history of Graves' disease. The treatment of neonatal thyrotoxicosis was difficult in these extreme low birth weight infants yet no infant died and significant morbidity was confined to high output **cardiac** failure in one infant. With antenatal recognition of past or active Graves' disease, assessment of maternal TSH receptor binding immunoglobulin index prior to delivery and postnatal monitoring of cord TSH and venous fT4 and TSH on days 4 and 7 rapid treatment of affected infants may have further reduced neonatal morbidity.

L9 ANSWER 5 OF 13 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 1996:469712 BIOSIS
DOCUMENT NUMBER: PREV199699192068
TITLE: Consensus statement for good practice and audit measures in the management of hypothyroidism and hyperthyroidism.
AUTHOR(S): Vanderpump, M. P. J.; Ahlquist, J. A. O.; Franklyn, J. A.; Clayton, R. N. (1)
CORPORATE SOURCE: (1) Dep. Diabetes Endocrinol., City Gen. Hosp., Stoke on Trent ST4 6QG UK
SOURCE: British Medical Journal, (1996) Vol. 313, No. 7056, pp. 539-544.
ISSN: 0959-8138.
DOCUMENT TYPE: Standard
LANGUAGE: English

DUPLICATE 1

L9 ANSWER 6 OF 13 MEDLINE
ACCESSION NUMBER: 96200639 MEDLINE
DOCUMENT NUMBER: 96200639 PubMed ID: 8677108
TITLE: Successful treatment of recurrent non-immune hydrops secondary to fetal hyperthyroidism.
AUTHOR: Treadwell M C; Sherer D M; Sacks A J; Ghezzi F; Romero R

CORPORATE SOURCE: Department of Obstetrics and Gynecology, Hutzel Hospital/Wayne State University, Detroit, Michigan, USA.
SOURCE: OBSTETRICS AND GYNECOLOGY, (1996 May) 87 (5 Pt 2) 838-40.
Journal code: 0401101. ISSN: 0029-7844.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 199608
ENTRY DATE: Entered STN: 19960822
Last Updated on STN: 19960822
Entered Medline: 19960815

AB BACKGROUND: Non-immune fetal hydrops is a heterogeneous disorder with a mortality rate of 50-98%. Resolution of non-immune fetal hydrops is rare but has been reported to occur spontaneously or after targeted therapeutic measures. CASE: A euthyroid gravida with Graves disease presented with a history of three prior perinatal deaths between 26 and 28 weeks' gestation, all associated with fetal hydrops. In the current pregnancy, the fetus developed hydrops at 24 weeks' gestation. Fetal hyperthyroidism, with high-output **cardiac** failure, was diagnosed with fetal blood sampling. After maternal therapy with **propylthiouracil**, resolution of the non-immune hydrops were documented and a **healthy** neonate subsequently delivered to term. The neonate developed transient hyperthyroidism after delivery, which required treatment for 10 weeks. CONCLUSION: Non-immune hydrops occurring as a result of fetal hyperthyroidism with high output **cardiac** failure is treatable with **propylthiouracil**.

L9 ANSWER 7 OF 13 USPATFULL
ACCESSION NUMBER: 94:88500 USPATFULL
TITLE: Controlled release powder and process for its preparation
INVENTOR(S): Sparks, Randall T., Gainesville, GA, United States
Geoghegan, Edward J., Westmeath, Ireland
PATENT ASSIGNEE(S): Elan Corporation, plc, Athlone, Ireland (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5354556		19941011
APPLICATION INFO.:	US 1990-537065		19900709 (7)

DISCLAIMER DATE: 20070828
RELATED APPLN. INFO.: Continuation of Ser. No. US 1988-169447, filed on 17 Mar 1988, now patented, Pat. No. US 4952402 which is a continuation of Ser. No. US 1985-792801, filed on 30 Oct 1985, now patented, Pat. No. US 4940588

	NUMBER	DATE
PRIORITY INFORMATION:	IE 1984-278884	19841030

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Page, Thurman K.
ASSISTANT EXAMINER: Harrison, R.
LEGAL REPRESENTATIVE: Church, Marla J.
NUMBER OF CLAIMS: 12
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 16 Drawing Figure(s); 16 Drawing Page(s)
LINE COUNT: 1139
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A controlled release powder containing discrete micro-particles for use in edible, pharmaceutical and other controlled release compositions is disclosed. The micro-particles have an average size in the range of from

0.1 to 125 .mu.m. Each of the micro-particles is in the form of a micromatrix of an active ingredient uniformly distributed in at least one non-toxic polymer. The micro-particles have a predetermined release of active ingredient when the dissolution rate thereof is measured according to the Paddle Method of U.S. Pharmacopoeia XX at 37.degree.

C.

and 75 r.p.m.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 8 OF 13 USPATFULL

ACCESSION NUMBER: 90:91090 USPATFULL

TITLE: Synthetic peptides derived from the alpha-subunit of human lycoprotein hormones

INVENTOR(S): Ryan, Robert J., Rochester, MN, United States
McCormick, Daniel J., Rochester, MN, United States
Morris, John C., Rochester, MN, United States
Charlesworth, M. Cristine, Rochester, MN, United States

PATENT ASSIGNEE(S): Mayo Foundation for Medical Education and Research, Rochester, MN, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4973578		19901127
APPLICATION INFO.:	US 1988-169375		19880317 (7)

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Moezie, F. T.
LEGAL REPRESENTATIVE: Merchant, Gould, Smith, Edell, Welter & Schmidt, P.A.
NUMBER OF CLAIMS: 7
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 12 Drawing Figure(s); 8 Drawing Page(s)
LINE COUNT: 809
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Synthetic peptides corresponding to .alpha.-subunit of human glycoprotein hormone amino acid regions .alpha.31-45, .alpha.21-35, .alpha.26-46 and .alpha.81-92; were found to inhibit binding of 125.sub.I-bTSH to human thyroid. Peptides corresponding to regions .alpha.26-46 and .alpha.31-45 were also found to potently inhibit the stimulation of adenylate cyclase activity by bTSH in a TSH bioassay using FRTL-5 cells and block the action of thyroid stimulating immunoglobulin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 9 OF 13 USPATFULL

ACCESSION NUMBER: 90:67456 USPATFULL

TITLE: Controlled release powder and process for its preparation

INVENTOR(S): Sparks, Randall T., Gainesville, GA, United States
Geoghegan, Edward J., Athlone, Ireland

PATENT ASSIGNEE(S): Elan Corporation, p.l.c., Athlone, Ireland (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4952402		19900828
APPLICATION INFO.:	US 1988-169447		19880317 (7)

RELATED APPLN. INFO.: Continuation of Ser. No. US 1985-792801, filed on 30 Oct 1985, now abandoned

	NUMBER	DATE
PRIORITY INFORMATION:	IE 1984-2788	19841030

DOCUMENT TYPE: Utility

FILE SEGMENT: Granted
PRIMARY EXAMINER: Page, Thurman K.
LEGAL REPRESENTATIVE: Falk, Robert Hardy, Croskell, Henry
NUMBER OF CLAIMS: 52
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 16 Drawing Figure(s); 15 Drawing Page(s)
LINE COUNT: 1310
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A controlled release powder containing discrete micro-particles for use in edible, pharmaceutical and other controlled release compositions is disclosed. The micro-particles have an average size in the range of

from

0.1 to 125 .mu.m. Each of the micro-particles is in the form of a micromatrix of an active ingredient uniformly distributed in at least one non-toxic polymer. The micro-particles have a predetermined release of active ingedient when the dissolution rate thereof is measured according to the Paddle Method of U.S. Pharmacopoeia XX at 37.degree.

C.

and 75 r.p.m.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 10 OF 13 USPATFULL
ACCESSION NUMBER: 90:54484 USPATFULL
TITLE: Controlled release powder and process for its preparation
INVENTOR(S): Sparks, Randall T., Gainesville, GA, United States
Geoghegan, Edward J., Athlone, Ireland
PATENT ASSIGNEE(S): Elan Corporation, Athlone, Ireland (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4940588		19900710
APPLICATION INFO.:	US 1988-171131		19880317 (7)

RELATED APPLN. INFO.: Continuation of Ser. No. US 1985-792801, filed on 30 Oct 1985, now abandoned

	NUMBER	DATE
PRIORITY INFORMATION:	IE 1984-2788	19841030

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Rose, Shep K.
LEGAL REPRESENTATIVE: Falk, Robert H., Croskell, Henry
NUMBER OF CLAIMS: 7
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 16 Drawing Figure(s); 15 Drawing Page(s)
LINE COUNT: 1123
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A controlled release powder containing discrete micro-particles for use in edible, pharmaceutical and other controlled release compositions is disclosed. The micro-particles have an average size in the range of

from

0.1 to 125 .mu.m. Each of the micro-particles is in the form of a micromatrix of an active ingredient uniformly distributed in at least one non-toxic polymer. The micro-particles have a predetermined release of active ingredient when the dissolution rate thereof is measured according to the Paddle Method of U.S. Pharmacopoeia XX at 37.degree.

C.

and 75 r.p.m.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 11 OF 13 USPATFULL
ACCESSION NUMBER: 90:32202 USPATFULL

TITLE: Method of lowering LDL cholesterol in blood
INVENTOR(S): Nestler, John E., Richmond, VA, United States
Barlascini, Cornelius O., Columbus, GA, United States
Clore, John N., Richmond, VA, United States
Blackard, William G., Richmond, VA, United States
PATENT ASSIGNEE(S): Virginia Commonwealth University, Richmond, VA, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 4920115		19900424	
APPLICATION INFO.:	US 1988-291149		19881228	(7)

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Snead, H. M. S.
ASSISTANT EXAMINER: Saba, James
LEGAL REPRESENTATIVE: Whitham & Marhoefer
NUMBER OF CLAIMS: 8
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 1 Drawing Figure(s); 1 Drawing Page(s)
LINE COUNT: 516
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Therapeutic amounts of DHEA are administered to human patients for the treatment and prevention of such disorders as atherosclerosis, angina, diabetes, obesity and congestive heart failure. Administering therapeutic quantities of DHEA to human patients has been found to reduce body fat mass and increase muscle mass, lower serum LDL cholesterol levels, lower serum apoB levels, and not affect tissue sensitivity to insulin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1985:420720 CAPLUS
DOCUMENT NUMBER: 103:20720
TITLE: A myothermal analysis of the myosin crossbridge cycling rate during isometric tetanus in normal and hypothyroid rat hearts
AUTHOR(S): Alpert, N. R.; Mulieri, L. A.; Litten, R. Z.; Holubarsch, C.
CORPORATE SOURCE: Dep. Physiol. Biophys., Univ. Vermont, Burlington, VT, USA
SOURCE: Eur. Heart J. (1984), 5(Suppl. F), 3-11
CODEN: EHJODF; ISSN: 0195-668X
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The problem of internal shortening, which takes place during force development and dissipation in the isometric twitch, is minimized by carrying out measurements of the rate of heat liberation during the plateau phase of tetanic force maintenance. The V1/V3 myosin isoenzyme ratio is altered by treating rats with **propylthiouracil** (PTU) added to the drinking water; here the contractile protein alteration occurs with myocardial atrophy rather than hypertrophy. High resoln., rapid temp. measurements are made in tetanically stimulated isometrically contracting rat **heart** papillary muscles from normal (high V1/V3 ratio) and PTU treated (low V1/V3 ratio) rats to assess the relation between contractile protein performance (crossbridge cycling rate) in the intact muscle and that under controlled conditions in isolated myofibrils.
In papillary muscles from the normal **heart** the crossbridge cycling rate during force maintenance was 6.53 Hz compared with 3.13 and 0.53 cycles/s in the myofibril at high and low ionic strength, resp. For the PTU treated papillary muscles the cycling rate during force maintenance was 2.71 cycles/s while in the myofibril at high and low ionic

strength it was 0.97 and 0.34 cycles/s, resp. This difference may be a result of reduced cycling rate in myofibrillar prepns. caused by a disorganization of the filament lattice as a result of loss of the sarcolemma and when unrestrained sarcomere shortening occurs. Similar to the results found previously in the rabbit (with low V1/V3 ratios) the economy of force maintenance was substantially increased in the PTU (low V1/V3) treated rat hearts. Anal. of this increase in economy indicates that it resulted from a decrease in the myosin crossbridge cycling rate assocd. with an increase in the on time (period during which the crossbridge is connected to actin and developing force). In the normal **heart** prepns. studies were carried out at a lower temp. (21 vs 11.degree.) to see if decreasing the cycling rate by means of a temp. change would increase the economy of force maintenance and if the Q10 for the cycling rate and on time were identical. Force maintenance at the lower temp. was more economical than at the higher temp. while the Q10 for
cycling rate and on time were 1.7 and 2.7, resp.

L9 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1956:45584 CAPLUS
DOCUMENT NUMBER: 50:45584
ORIGINAL REFERENCE NO.: 50:8848d-e
TITLE: Effects of sitosterol ingestion on serum cholesterol concentration
AUTHOR(S): Shipley, R. E.
CORPORATE SOURCE: Indianapolis General Hosp., IN
SOURCE: Trans. N.Y. Acad. Sci. (1955), 18, 111-18
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
AB Feeding of sitosterol to the following caused a lowering of serum cholesterol: dogs made hypercholesteremic by cholesterol feeding and **propylthiouracil**; **healthy** male adult; female adult with hypertension; female adult with hypercholesteremia and arteriosclerotic **heart** disease; female adult with hypercholesteremia; male diabetic.

=> d kwic 2 5 9 11

L9 ANSWER 2 OF 13 USPATFULL
GOVI This invention was made with Government support under a National Institutes of **Health** grant awarded by contract AG15434. The government has certain rights in this invention.
SUMM . . . to be 4-5 million individuals, with annualized hospital and care costs of about $12, billion per year (Levit et al., **Health** Care Finan. Rev. 13: 29-54, [1991]; O'Connell, J. Heart Lung Transplant 13: S107-S248, [1994]; Gheorghiade et al., Am. Heart J.. . .
DETD . . . Sprague Dawley rats by enzymatic digestion as described previously (Westfall, et al., supra). Rats were made hypothyroid by adding 0.6% **propylthiouracil** to the drinking water for a minimum of 4 weeks prior to myocyte isolation. Myocytes were isolated by
removing the **heart** from an anesthetized rat and perfusing the **heart** with Kreb's Henseleit Buffer (KHB)+1 mM CaCl.sub.2 for 5 minutes on a modified Langendorff perfusion apparatus. The **heart** was then perfused with Ca.sup.2+ -free KHB for 5 minutes followed by addition of collagenase (0.5 mg/ml) and hyaluronidase (0.2. . .

L9 ANSWER 5 OF 13 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
IT Major Concepts
Cardiovascular Medicine (Human Medicine, Medical Sciences); Development; Endocrine System (Chemical Coordination and Homeostasis); Metabolism; Pathology; Pharmacology; Public **Health** (Allied Medical Sciences); Radiology (Medical Sciences); Reproductive System (Reproduction); Surgery (Medical Sciences); Toxicology

IT Chemicals & Biochemicals
THYROXINE; CARBIMAZOLE; PROPYLTHIOURACIL
IT Miscellaneous Descriptors
ADVERSE SIDE EFFECTS; ANTITHYROID-DRUG; CARBIMAZOLE; DIAGNOSIS; GRAVES'
DISEASE; HYPEREMESIS GRAVIDARUM; ISCHEMIC **HEART** DISEASE; **PROPYLTHIOURACIL**; RADIOIODINE; SURGERY; THIONAMIDES; THYROIDITIS; THYROTOXICOSIS; THYROXINE

L9 ANSWER 9 OF 13 USPATFULL
DETD . . . ascorbic acid, alpha tocopherol, thiamine and pyridoxine; anti-spasmodic drugs such as dicyclomine and diphenoxylate; drugs affecting the rhythm of the **heart** such as verapamil, nifedipine, diltiazem, procainamide, disopyramide, bretylium tosylate, quinidine sulfate and quinidine gluconate; drugs used in the treatment of. . . as tolbutamide, disbenase glucagon and insulin; drugs used in
the treatment of thyroid gland disfunction such as triiodothyronine, thyroxine and **propylthiouracil**, diuretic drugs such as furosemide, chlorthalidone, hydrochlorthiazide, spironolactone and triamterene; the uterine relaxant drug ritodrine; appetite suppressants such as fenfluramine. . .
DETD Other suitable formulations incorporating the micro-particles according to the invention include inhalants, magmas, intrauterine devices, patches, biodegradable **wound** dressings and other topical dressings.

L9 ANSWER 11 OF 13 USPATFULL
GOVI This invention was made with U.S. Government support under contracts RR00065 and AM07428 awarded by the National Institutes of **Health**. The government has certain rights in this invention.
SUMM . . . Geriatrics 37: 157 (1982), DHEA was reported to be a "miracle drug" which may prevent obesity, aging, diabetes mellitus and **heart** disease. These assertions stem from animal studies which demonstrated that DHEA administration resulted in lower body weight in C3H(Avy/a) mice. . . tissue sensitivity to insulin in aged normal mice, and prevented the rise in cholesterol levels of rats made hypothyroid with **propylthiouracil**. Human studies have revealed an inverse correlation between fetal serum DHEA-S and low density lipoprotein (LDL) levels (Parker et al,. . .
DETD . . . men contrasts significantly with animal studies, in which DHEA prevented the rise in serum cholesterol in rats made hypothyroid with **propylthiouracil**, but had no effect on serum cholesterol levels in normal rats (Ben-David et al, Proc. Soc. Exp. Biol. Med. 125:. . . inventor's study represents an estimated 14% reduction in risk for the development of cardiovascular disease. The derived reduction of coronary **heart** disease from the reduction of cholesterol is discussed in the Lipid Research Clinics article, JAMA, 251: 365-3/4 (1984), and this.
. .

=> d history

(FILE 'HOME' ENTERED AT 10:35:09 ON 09 OCT 2002)

FILE 'MEDLINE, CAPLUS, LIFESCI, EMBASE, USPATFULL, BIOSIS' ENTERED AT 10:35:26 ON 09 OCT 2002
E HEBER-KATZ ?/AU
E HEBER KATZ ?/AU
L1 327 S E4-6
L2 7 S L1 AND (CARDIAC OR HEART)
L3 3 DUP REM L2 (4 DUPLICATES REMOVED)
L4 127 DUP REM L1 (200 DUPLICATES REMOVED)

```
L5          124 S L4 NOT L2
L6         1092 S PROPYLTHIOURACIL AND (CARDIAC OR HEART)
L7          486 S PROPYLTHIOURACIL (P) (CARDIAC OR HEART)
L8           15 S L7 AND (HEALT OR WOUND OR SCAR)
L9           13 DUP REM L8 (2 DUPLICATES REMOVED)

=> s l7 and ischemia

L10           6 L7 AND ISCHEMIA

=> s l10 not l8

L11           6 L10 NOT L8

=> dup rem l11

PROCESSING COMPLETED FOR L11
L12           3 DUP REM L11 (3 DUPLICATES REMOVED)

=> d l12 ibib abs tot


L12  ANSWER 1 OF 3  EMBASE  COPYRIGHT 2002 ELSEVIER SCI. B.V.DUPLICATE 1
ACCESSION NUMBER:   93231809  EMBASE
DOCUMENT NUMBER:    1993231809
TITLE:              [Acute ischemic heart disease and thyrotoxicosis:
                    Rapid regression of myocardial ischemia with
                    propranolol and propylthiouracil. A case report].
                    ISCHEMIA MIOCARDIA ACUTA IN CORSO DI
                    TIREOTOSSICOSI: REGRESSIONE RAPIDA DELL'ISCHEMIA
                    CON L'IMPIEGO DI PROPRANOLOLO E PROPILTIOURACILE.
                    DESCRIZIONE DI UN CASO CLINICO.
AUTHOR:             Della Corte C.; Della Corte R.; Festa M.
CORPORATE SOURCE:   Piazza della Rocca, 2,01100 Viterbo, Italy
SOURCE:             Gazzetta Medica Italiana Archivio per le Scienze Mediche,
                    (1993) 152/4 (149-153).
                    ISSN: 0393-3660  CODEN: GMIMES
COUNTRY:            Italy
DOCUMENT TYPE:      Journal; Article
FILE SEGMENT:       003     Endocrinology
                    018     Cardiovascular Diseases and Cardiovascular Surgery
                    037     Drug Literature Index
LANGUAGE:           Italian
SUMMARY LANGUAGE:   Italian; English

L12  ANSWER 2 OF 3  CAPLUS  COPYRIGHT 2002 ACS          DUPLICATE 2
ACCESSION NUMBER:       1989:571851  CAPLUS
DOCUMENT NUMBER:        111:171851
TITLE:                  Ventricular fibrillation is reduced in hypothyroid
                        rats with enhanced myocardial .alpha.-adrenoceptor
                        responsiveness
AUTHOR(S):              Chess-Williams, R.; Coker, S. J.
CORPORATE SOURCE:       Dep. Pharmacol. Ther., Univ. Liverpool, Liverpool,
L69
                        3BX, UK
SOURCE:                 Br. J. Pharmacol. (1989), 98(1), 95-100
                        CODEN: BJPCBM; ISSN: 0007-1188
DOCUMENT TYPE:          Journal
LANGUAGE:               English
AB   The severity of ventricular arrhythmias induced by coronary artery
     occlusion and reperfusion was examd. in control rats and animals made
     hypothyroid by pretreatment with 6-propylthiouracil (PTU). The
     maximal driving frequency and sensitivity of isolated left atria and
     papillary muscles to isoprenaline and to phenylephrine in the presence of
     propranolol, were also examd. in tissues from control and hypothyroid
     animals. Pretreatment with PTU resulted in a potentiation of responses
to
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the .alpha.-adrenoceptor agonist phenylephrine in both left atria and papillary muscles, while responses to isoprenaline were depressed in left atria but unaltered in papillary muscles from hypothyroid animals. In rats subject to coronary artery occlusion, PTU pretreatment reduced the incidence of ventricular fibrillation during acute myocardial **ischemia** and abolished reperfusion-induced ventricular fibrillation. Mortality during myocardial **ischemia** and reperfusion was also abolished. Diastolic blood pressure was similar in hypothyroid and control animals, but there was a small redn. in systolic blood pressure and a marked decrease in **heart** rate in PTU-pretreated animals. Thus, PTU-induced hypothyroidism represents a condition where **cardiac** .alpha.-adrenoceptor-mediated responses are enhanced but the severity of **ischemia**- and reperfusion-induced arrhythmias is reduced.

L12 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1979:146811 CAPLUS
DOCUMENT NUMBER: 90:146811
TITLE: Alcohol induced susceptibility to hypoxic liver damage: possible role in the pathogenesis of alcoholic liver disease?
AUTHOR(S): Israel, Y.; Orrego, H.; Khanna, J. M.; Stewart, D. J.; Phillips, M. J.; Kalant, H.
CORPORATE SOURCE: Addict. Res. Found., Univ. Toronto, Toronto, Ont., Can.
SOURCE: Hepatology (N. Y.) (1977), 3(Alcohol Liver), 323-48
CODEN: HEPADF; ISSN: 0161-0538
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Chronic EtOH [64-17-5] feeding to rats caused increased alc. metab., O uptake and liver lesions. The severity of the lesions was proportional to the degree of hypoxia. The alterations were localized in the periacinar zone and were characterized by necrosis, degeneration, and mild leukocytic infiltration. **Propylthiouracil** treatment which is known to reduce tissue O consumption markedly protected against liver damage induced by hypoxia in alc.-treated animals. The liver of the spontaneously hypersensitive strain of rats showed marked increases in alc. metab. and of O consumption following chronic alc. feeding. These animals, in which **cardiac** output and liver perfusion rates were known to be reduced by hypertension, developed liver lesions spontaneously, when EtOH was fed chronically. **Ischemia**, resulting from a combination of metabolic factors and subclin. and clin. conditions may play a role in producing liver lesions of an alc.

=> d 1 all

L12 ANSWER 1 OF 3 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.DUPLICATE 1
AN 93231809 EMBASE
DN 1993231809
TI [Acute ischemic **heart** disease and thyrotoxicosis: Rapid regression of myocardial **ischemia** with propranolol and **propylthiouracil**. A case report].
ISCHEMIA MIOCARDIA ACUTA IN CORSO DI TIREOTOSSICOSI: REGRESSIONE RAPIDA DELL'**ISCHEMIA** CON L'IMPIEGO DI PROPRANOLOLO E PROPILTIOURACILE. DESCRIZIONE DI UN CASO CLINICO.
AU Della Corte C.; Della Corte R.; Festa M.
CS Piazza della Rocca, 2,01100 Viterbo, Italy
SO Gazzetta Medica Italiana Archivio per le Scienze Mediche, (1993) 152/4 (149-153).
ISSN: 0393-3660 CODEN: GMIMES
CY Italy

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DT   Journal; Article
FS   003     Endocrinology
     018     Cardiovascular Diseases and Cardiovascular Surgery
     037     Drug Literature Index
LA   Italian
SL   Italian; English
CT   Medical Descriptors:
     *ischemic heart disease: DT, drug therapy
     *thyrotoxicosis: DT, drug therapy
     aged
     article
     case report
     female
     human
     Drug Descriptors:
     *propranolol: DT, drug therapy
     *propylthiouracil: DT, drug therapy
     calcium antagonist: DT, drug therapy
     digoxin: DT, drug therapy
     glyceryl trinitrate: DT, drug therapy
     heparin: DT, drug therapy
     lanatoside c: DT, drug therapy
     verapamil: DT, drug therapy
RN   (propranolol) 13013-17-7, 318-98-9, 3506-09-0, 4199-09-1, 525-66-6;
     (propylthiouracil) 51-52-5; (digoxin) 20830-75-5, 57285-89-9; (glyceryl
     trinitrate) 55-63-0; (heparin) 37187-54-5, 8057-48-5, 8065-01-8,
     9005-48-5; (lanatoside c) 17575-22-3; (verapamil) 152-11-4, 52-53-9


=> s hypothyroid? and heart

L13        5511 HYPOTHYROID? AND HEART

=> s l13 and (wound or ischemi?)

L14         573 L13 AND (WOUND OR ISCHEMI?)

=> s l13 (p) (wound or ischemi?)

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L67 (P) '
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L68 (P) '
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L69 (P) '
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L70 (P) '
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L71 (P) '
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L72 (P) '
L15         573 L13 (P) (WOUND OR ISCHEMI?)

=> s hypothyroid? (p) ( heart or cardiac)

L16        4365 HYPOTHYROID? (P) (HEART OR CARDIAC)

=> s l16 (p) (wound or ischemi?)

L17         177 L16 (P) (WOUND OR ISCHEMI?)

=> dup rem l17

PROCESSING COMPLETED FOR L17
L18         121 DUP REM L17 (56 DUPLICATES REMOVED)
```

=> s l18 an py<2001

MISSING OPERATOR L18 AN
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> s l18 and py<2001

3 FILES SEARCHED...
L19 95 L18 AND PY<2001

=> d l19 ibib abs 1-10

L19 ANSWER 1 OF 95 MEDLINE
ACCESSION NUMBER: 2000080513 MEDLINE
DOCUMENT NUMBER: 20080513 PubMed ID: 10614850
TITLE: Combined cardiac surgery and total thyroidectomy: a case report.
AUTHOR: Matsuyama K; Ueda Y; Ogino H; Sugita T; Nishizawa J; Matsubayashi K; Yoshimura S; Yoshioka T; Tokuda Y
CORPORATE SOURCE: Department of Cardiovascular Surgery, Tenri Hospital, Nara,
Japan.
SOURCE: JAPANESE CIRCULATION JOURNAL, **(1999 Dec)** 63 (12) 1004-6.
Journal code: 7806868. ISSN: 0047-1828.
PUB. COUNTRY: Australia
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200001
ENTRY DATE: Entered STN: 20000204
Last Updated on STN: 20000204
Entered Medline: 20000127

AB A 65-year-old woman with aortic stenosis, **ischemic heart** disease, and Graves' disease had complained of effort angina. She then suffered from liver dysfunction due to treatment with antithyroid drugs. One year after the start of radioiodine administration, she demonstrated unstable angina with palpitation and sweating. Laboratory studies revealed a recurrent hyperthyroid state, and a second coronary angiogram revealed progressive **ischemic heart** disease. Combined coronary artery bypass grafting, aortic valve replacement, and total thyroidectomy were performed. The postoperative course was uneventful without any problems associated with hyperthyroidism or **hypothyroidism**. Combined **cardiac** surgery and total thyroidectomy can be performed safely if the perioperative levels of thyroid hormone are maintained at euthyroid or **hypothyroid** levels.

L19 ANSWER 2 OF 95 MEDLINE
ACCESSION NUMBER: 97430416 MEDLINE
DOCUMENT NUMBER: 97430416 PubMed ID: 9333319
TITLE: [Hypothyroidism with pseudo-ischemic and hypertensive clinical presentation: physiopathological and diagnostic considerations].
Ipotiroidismo a presentazione clinica pseudo-ischemica ed ipertensiva: considerazioni fisiopatologiche e diagnostiche.
AUTHOR: La Brocca A
CORPORATE SOURCE: Divisione di Medicina Interna, Ospedale Civile di Giaveno (TO), Azienda Regionale U.S.L. 5 di Torino.
SOURCE: ANNALI ITALIANI DI MEDICINA INTERNA, **(1997 Apr-Jun)** 12 (2) 94-7.
Journal code: 8806705. ISSN: 0393-9340.
PUB. COUNTRY: Italy

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: Italian
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199710
ENTRY DATE: Entered STN: 19971024
Last Updated on STN: 19971024
Entered Medline: 19971014

AB Serious primary **hypothyroidism**, disclosed fortuitously through routine thyroid function test derangements, was found in a 40-year-old woman admitted to the hospital with a tentative diagnosis of **ischemic heart** disease. The clinical picture and electrocardiographic alterations of pseudo-**ischemic heart** disease associated with hypertension, particularly diastolic, may be the only significant manifestations of **hypothyroidism**. Substitutive hormone replacement therapy enables a good prognosis for children and young adults. A diagnosis of **hypothyroidism** should be considered during the initial evaluation of pseudo-**ischemic**, hypertensive and hypercholesterolemic patients, even when no other signs or clinical symptoms of hormonal deficiency are evident. Particular attention should be paid to female patients, as they are much more frequently affected by thyroid pathologies.

L19 ANSWER 3 OF 95 MEDLINE
ACCESSION NUMBER: 97249722 MEDLINE
DOCUMENT NUMBER: 97249722 PubMed ID: 9095585
TITLE: A case report on successful coronary artery bypass grafting (CABG) for angina pectoris combined with hypothyroidism.
AUTHOR: Furukawa K; Ooteki H; Doi K; Shiraishi R
CORPORATE SOURCE: Department of Cardiovascular Surgery, Saga Prefectural Hospital Koseikan, Japan.
SOURCE: KYOBU GEKA. JAPANESE JOURNAL OF THORACIC SURGERY, **(1997 Apr)** 50 (4) 275-8.
Journal code: 0413533. ISSN: 0021-5252.
PUB. COUNTRY: Japan
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: Japanese
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199705
ENTRY DATE: Entered STN: 19970523
Last Updated on STN: 19970523
Entered Medline: 19970514

AB Coronary artery bypass grafting (CABG) for patients with **ischemic heart** disease and **hypothyroidism** contains many controversies, such as a need of preoperative thyroid replacement therapy and the influences on thyroid function and hemodynamics. A 73-year-old man with three vessel disease including left main trunk lesion was admitted for CABG. Primary **hypothyroidism** was diagnosed after admission because of high CPK value. The CABG was performed safely with preoperative minimal thyroid replacement and his postoperative course was uneventful. We evaluated the change of perioperative thyroid hormones. At the start of the extracorporeal (ECC), values of T3 and free-T3 decreased progressively, but the change was small. On the other hand, values of T4 and free-T4 increased after the start of ECC. It is suggested that CABG for a patient with angina and **hypothyroidism** can be performed safely with minimal preoperative thyroid replacement therapy.

L19 ANSWER 4 OF 95 MEDLINE
ACCESSION NUMBER: 97123428 MEDLINE
DOCUMENT NUMBER: 97123428 PubMed ID: 8968675
TITLE: The use of thyroid hormone in cardiac surgery.
AUTHOR: Dyke C

CORPORATE SOURCE: University of Pittsburgh Medical Center, PA 15213, USA.
SOURCE: CURRENT OPINION IN CARDIOLOGY, **(1996 Nov)** 11 (6) 603-9. Ref: 51
Journal code: 8608087. ISSN: 0268-4705.

PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)

LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199703
ENTRY DATE: Entered STN: 19970321
Last Updated on STN: 19980206
Entered Medline: 19970310

AB Cardiopulmonary bypass has been demonstrated to produce a state of functional **hypothyroidism** characterized by low levels of circulating tri-iodothyronine and elevated levels of reverse Tri-iodothyronine. This low tri-iodothyronine state may have significant hemodynamic consequences similar to that seen with chronic **hypothyroidism**. In a number of experimental models, evidence has accumulated suggesting that tri-iodothyronine supplementation to the **ischemically** injured **heart** enhances ventricular contractile performance. Clinically, tri-iodothyronine supplementation after **cardiac** surgery improves hemodynamics, although the population of patients who might benefit from this unconventional therapy remains unclear. In this article, the rationale and experimental evidence for the use of tri-iodothyronine during **cardiac** surgery are reviewed.

L19 ANSWER 5 OF 95 MEDLINE
ACCESSION NUMBER: 97095617 MEDLINE
DOCUMENT NUMBER: 97095617 PubMed ID: 8999378
TITLE: [Hypothyroidism and megacolon].
Ipotiroidismo e megacolon.

AUTHOR: Fiorani S; Feda G; Cesarec R; Tomba G; Visentin P P
CORPORATE SOURCE: Divisione di Anestesia e Rianimazione, Ospedale S. Pertini,
Roma.
SOURCE: MINERVA ANESTESIOLOGICA, **(1996 Jul-Aug)** 62 (7-8) 271-5.
Journal code: 0375272. ISSN: 0375-9393.

PUB. COUNTRY: Italy
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: Italian
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199701
ENTRY DATE: Entered STN: 19970219
Last Updated on STN: 19970219
Entered Medline: 19970121

AB A 71 years old woman, affected by **ischemic heart** disease from the age of 50 and by chronic constipation was admitted to the emergency department for drowsiness, intense dyspnea and acute abdominal distension. Laparotomy evidenced a megacolon. Because of the age and sex of the patient the congenital form of the megacolon was ruled out. No one of the more common causes of megacolon was recognized, but a severe hypothyroidism and Hashimoto's thyroiditis was discovered. Treatment with levothyroxine caused a progressive improvement of the general condition of the patient and of the megacolon so that the authors hypothesize that the intestinal pseudo-occlusion was caused by the **hypothyroidism**. In this paper the authors make a thorough analysis of the literature about the association between **hypothyroidism** and megacolon. Although many hypothesis have been put forward about the possible pathogenetic association between these two diseases, until now no definitive result has

been reached. The authors, moreover, hypothesize that the pleural and pericardial effusion and the peculiar metabolic state characterized by plasma hyponatremia and hyposmolarity, with a constant urinary hyperosmolarity, were also caused by **hypothyroidism**; in fact the clinical and metabolic conditions improved after levothyroxine therapy. In the end the authors discuss if it is preferable to use tetraiodothyronine or triiodothyronine for the treatment of intense **hypothyroidism** in a patient in critical clinical state.

L19 ANSWER 6 OF 95 MEDLINE
ACCESSION NUMBER: 97031155 MEDLINE
DOCUMENT NUMBER: 97031155 PubMed ID: 8877081
TITLE: Effects of hypothyroidism on the vulnerability to ventricular fibrillation in dogs: a comparative study with amiodarone.
AUTHOR: Liu P; Fei L; Wu W; Li J; Wang J; Zhang X
CORPORATE SOURCE: Department of Cardiology, Sun Yat-sen Memorial Hospital, Sun Yat-sen University of Medical Sciences, Guangzhou, China.
SOURCE: CARDIOVASCULAR DRUGS AND THERAPY, **(1996 Jul)** 10 (3) 369-78.
Journal code: 8712220. ISSN: 0920-3206.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199701
ENTRY DATE: Entered STN: 19970123
Last Updated on STN: 19970128
Entered Medline: 19970114

AB It has been shown that thyroid hormone has a significant effect on the **heart** and that suppression of thyroid function may contribute to the antiarrhythmic effect of amiodarone. The study was aimed at investigating the effects of **hypothyroidism**, compared with those of amiodarone, on vulnerability to ventricular fibrillation in dogs. In this study, 25 adult dogs were randomly divided into three groups: a **hypothyroid** group following total thyroidectomy (n = 9), an amiodarone group (n = 8, 400 mg per day, 4 weeks), and a control group (n = 8). Both amiodarone and control groups were subjected to sham surgery. Five to 8 weeks after surgery, ventricular fibrillation threshold and other electrophysiological parameters were determined. Right ventricular effective refractory period, monophasic action potential duration, and ventricular fibrillation threshold were significantly increased in both the thyroidectomized and amiodarone-treated animals. There was no significant change in monophasic action potential duration dispersion. The incidence of ventricular fibrillation during **ischemia** and reperfusion was significantly reduced in both treated groups compared with the sham-operated euthyroid controls. These observations suggest that **hypothyroidism** has a significant antifibrillatory effect in dogs. Homogeneous prolongation of repolarization and refractoriness may contribute to the antifibrillatory action of **hypothyroidism**.

L19 ANSWER 7 OF 95 MEDLINE
ACCESSION NUMBER: 97004669 MEDLINE
DOCUMENT NUMBER: 97004669 PubMed ID: 8851980
TITLE: Comparison of the outcome between the calculated dosimetry and the estimated dosimetry of 131I in the treatment of hyperthyroidism.
AUTHOR: Sun J H; Huang H S; Huang M J; Huang B Y; Lin J D; Hsu B R; Chiou S C; Lo S K
CORPORATE SOURCE: Department of Internal Medicine, Chang Gung Medical College

SOURCE: & Memorial Hospital, Taipei, Taiwan, R.O.C.
CHANG-KENG I HSUEH TSA CHIH, **(1995 Dec)** 18 (4) 322-8.
Journal code: 9809559.

PUB. COUNTRY: TAIWAN: Taiwan, Province of China
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199612
ENTRY DATE: Entered STN: 19970128
Last Updated on STN: 20000303
Entered Medline: 19961206

AB To compare the outcomes of different methods in prescribing the optimal dose of radioactive iodine (131I) for the treatment of hyperthyroidism, we retrospectively analyzed 52 patients with toxic diffuse goiter. They received single dose of 131I for the treatment of hyperthyroidism. In addition, all of them met the following criteria: 1) symptoms and signs of hyperthyroidism; 2) elevated blood triiodothyronine (T3) and thyroxin (T4) by radioimmunoassay (RIA) method; 3) diffuse goiter with increase of uptake proved by thyroid scintiscan; 4) only one dose of 131I was given during the follow-up period; 5) well-documented thyroid function test in the medical chart during the follow-up period (6 months, 1 year, 2 years and 5 years after 131I therapy). The enrolled patients were divided into estimated and calculated group. The dose of 131I in the calculated group was obtained from the measurement of size and 131I uptake of thyroid gland. The dose of 131I in the estimated group was prescribed according to the size of thyroid gland by physical examination, and the association with **cardiac** arrhythmia, congestive **heart** failure, or **ischemic heart** disease. The mean doses of 131I were 4.8 +/- 1.4 mCi and 7.0 +/- 1.1 mCi in the calculated and estimated group respectively. In this study, there were no significant difference in the incidence of euthyroidism, hyperthyroidism, and **hypothyroidism** between these two groups in thefollow-up period after 131I therapy. In view of simplicity and time-saving, it is a practical choice to prescribe the dose of 131I therapy for toxic diffuse goiter according to the size of thyroid gland and the associated **cardiac** condition.

L19 ANSWER 8 OF 95 MEDLINE
ACCESSION NUMBER: 96434353 MEDLINE
DOCUMENT NUMBER: 96434353 PubMed ID: 8837320
TITLE: The development of ischemic heart disease in relation to autoimmune thyroid disease in a 20-year follow-up study of an English community.

AUTHOR: Vanderpump M P; Tunbridge W M; French J M; Appleton D; Bates D; Clark F; Grimley Evans J; Rodgers H; Tunbridge F; Young E T

CORPORATE SOURCE: Department of Medicine, Newcastle General Hospital, Newcastle upon Tyne, United Kingdom.

SOURCE: THYROID, **(1996 Jun)** 6 (3) 155-60.
Journal code: 9104317. ISSN: 1050-7256.

PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199612
ENTRY DATE: Entered STN: 19970128
Last Updated on STN: 19970128
Entered Medline: 19961212

AB The original Whickham Survey documented risk factors for cardiovascular disease and the prevalence of thyroid disorders in a sample of 2779 adults

that closely matched the British population. A 20-year follow-up study has determined outcomes in terms of morbidity and mortality from **ischemic heart** disease in over 97% of the original survey population. Analysis of deaths from all causes and from **ischemic heart** disease showed no association with antithyroid antibody status identified at first survey. A multiple logistic regression using the development of **ischemic heart** disease in the total population at follow-up as the dependent variable found that the significant predictor variables for men were age, cholesterol, mean arterial blood pressure, smoking history, and skinfold thickness index. For women only age, cholesterol, and mean arterial blood pressure were significant. The presence of autoimmune thyroid disease, as defined by either **hypothyroidism**, positive antithyroid antibodies, or raised serum thyrotropin at first survey, was not significant. A retrospective cohort study of a subsample of women identified at first survey with positive antithyroid antibodies or raised serum thyrotropin and closely matched controls found no significant association with mortality or development of **ischemic heart** disease. There is no evidence from this study to suggest that evidence of autoimmune thyroid disease identified 20 years ago is associated with an increased risk of **ischemic heart** disease.

L19 ANSWER 9 OF 95 MEDLINE
ACCESSION NUMBER: 96388717 MEDLINE
DOCUMENT NUMBER: 96388717 PubMed ID: 8796117
TITLE: Acute L-triiodothyronine administration potentiates inotropic responses to beta-adrenergic stimulation in the isolated perfused rat heart.
AUTHOR: Tielens E T; Forder J R; Chatham J C; Marrelli S P; Ladenson P W
CORPORATE SOURCE: Department of Medicine, Johns Hopkins University School of Medicine, Baltimore, MD, USA.
SOURCE: CARDIOVASCULAR RESEARCH, **(1996 Aug)** 32 (2) 306-10.
Journal code: 0077427. ISSN: 0008-6363.
PUB. COUNTRY: Netherlands
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199701
ENTRY DATE: Entered STN: 19970219
Last Updated on STN: 19970219
Entered Medline: 19970128

AB OBJECTIVE: Acute inotropic effects of triiodothyronine (T3) have been reported, employing both in vivo experimental animal models and in vitro isolated **heart** perfusions. However, the mechanisms responsible for these acute inotropic effects remain unclear. The aim of this study, therefore, was to delineate the role of the beta-adrenergic receptor system in these acute responses. METHODS: The hearts from both euthyroid and **hypothyroid** (treated with 0.05% PTU in drinking water) male Sprague-Dawley rats were used in 5 experimental study protocols. Hearts from euthyroid rats were perfused with buffer containing either T3(10(-7) M) or control while continuously recording left ventricular function for 10 min ('acute effects'). Two-hour perfusions ('subacute effects') and **cardiac** responses following increasing doses of isoproterenol (10(-10) to 10(-6) M) in the presence or absence of T3-containing buffer (acute interaction) were also determined. In **hypothyroid** rats, the subacute responses and the acute interactions were investigated. RESULTS: In the presence of T3, an acute, significant potentiation of the inotropic responses following beta-adrenergic stimulation with isoproterenol was observed in both rat cohorts, which was more pronounced in hearts from euthyroid rats. An acute (< 40 s), but transient (79 +/- 8 s), direct inotropic response was observed in hearts from euthyroid rats. No **cardiac** responses were seen during a 2-h perfusion in hearts

from either euthyroid or **hypothyroid** rats. CONCLUSIONS: The acute inotropic effects of T3 in non-**ischemic** myocardium probably result from an acute interaction between T3 and catecholamines rather than through a direct inotropic effect of T3 alone.

L19 ANSWER 10 OF 95 MEDLINE
ACCESSION NUMBER: 94309221 MEDLINE
DOCUMENT NUMBER: 94309221 PubMed ID: 8035546
TITLE: [State of myocardial perfusion in patients with primary hypothyroidism as evidenced by myocardial Tl-201 scintigraphy].
Sostoianie perfuzii miokarda u bol'nykh pervichnym gipotireozom po dannym stsintigrafii miokarda s 201 Tl.
AUTHOR: Samoilenko L E; Sergienko V B; Bolotina M G; Slavina L S; Sidorenko B A; Korolev S V
SOURCE: KARDIOLOGIIA, **(1993)** 33 (1) 48-51.
Journal code: 0376351. ISSN: 0022-9040.
PUB. COUNTRY: RUSSIA: Russian Federation
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: Russian
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199408
ENTRY DATE: Entered STN: 19940825
Last Updated on STN: 19940825
Entered Medline: 19940815

AB To study the myocardial perfusion in primary **hypothyroidism** accompanied by **cardiac** pain feelings, a total of 21 patients aged 30-60 years were examined by using resting 201Tl myocardial scintigraphy and in combination with bicycle ergometric testing. At rest all the patients showed impaired myocardial perfusion. A decrease in 201Tl accumulation, which corresponded to the areas of impaired perfusion, was observed in 54% of segments. A severe impairment of myocardial 201Tl washout was recorded in all the patients. During exercise 201Tl myocardial scintigraphy, steady-state myocardial perfusion impairments with normal washout were recorded in most patients. Areas of transient myocardial **ischemia** were revealed in 3 patients during scintigraphy in combination with bicycle ergometric testing. The findings suggest that patients with primary **hypothyroidism** have myocardial perfusion impairments which are likely to be reflected by dystrophic processes. Along with these abnormalities, exercise myocardial scintigraphy makes it possible to detect transient perfusion alterations in some patients, which indicates that they have myocardial **ischemia**.

=> s heart adj wound?

L20 0 HEART ADJ WOUND?

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L21 5407 HEART (P) WOUND?

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L22 48 L21 AND PROPYLTHIOURACIL

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FULL ESTIMATED COST

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=> e heber-katz ?/au

E1            5     HEBER WALTER/AU
E2            1     HEBER WALTER W/AU
E3            0 --> HEBER-KATZ ?/AU
E4            2     HEBERAL A/AU
E5            4     HEBERARD X/AU
E6            1     HEBERARD XAVIER/AU
E7            1     HEBERBRAND J/AU
E8           18     HEBERDEN C/AU
E9           15     HEBERDEN CHRISTINE/AU
E10           3     HEBERDEN E/AU
E11           8     HEBERDEN P/AU
E12           8     HEBERDEN SOC/AU

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E1            3     HEBER K V/AU
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E9            1     HEBER KLAUS DETLEF/AU
E10           1     HEBER KURT V/AU
E11          20     HEBER L/AU
E12           1     HEBER L M/AU

=> s e4-6

L1          327 ("HEBER KATZ E"/AU OR "HEBER KATZ E *"/AU OR "HEBER KATZ
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=> s l1 and (cardiac or heart)

L2 7 L1 AND (CARDIAC OR HEART)

=> dup rem l2

PROCESSING COMPLETED FOR L2
L3 3 DUP REM L2 (4 DUPLICATES REMOVED)

=> d l3 ibib abs tot

L3 ANSWER 1 OF 3 MEDLINE
ACCESSION NUMBER: 2002488914 IN-PROCESS
DOCUMENT NUMBER: 22237132 PubMed ID: 12324214
TITLE: The scarless **heart**.
AUTHOR: Leferovich John; **Heber-Katz Ellen**
CORPORATE SOURCE: The Wistar Institute, 3601 Spruce Street, 19104, Philadelphia, PA, USA.
SOURCE: SEMINARS IN CELL AND DEVELOPMENTAL BIOLOGY, (2002 Oct) 13 (5) 327.
Journal code: 9607332. ISSN: 1084-9521.
PUB. COUNTRY: England: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: IN-PROCESS; NONINDEXED; Priority Journals
ENTRY DATE: Entered STN: 20020927
Last Updated on STN: 20020927

AB Over the past several years many mechanisms by which myocardial replacement could be achieved have been described. These include resident **cardiac** stem cells or circulating stem cells that can either differentiate into, or fuse to cardiomyocytes, or mature cells that can transdifferentiate into cardiomyocytes. However, the fact remains that after injury to the **heart**, the overriding response is scar formation with little myocardial replacement. One exception to this response is the MRL mouse, which heals with little scarring and shows nearly full myocardial replacement after injury. Results obtained with this model will be discussed.

DUPLICATE 1

L3 ANSWER 2 OF 3 MEDLINE
ACCESSION NUMBER: 2001459208 MEDLINE
DOCUMENT NUMBER: 21396573 PubMed ID: 11493713
TITLE: **Heart** regeneration in adult MRL mice.
AUTHOR: Leferovich J M; Bedelbaeva K; Samulewicz S; Zhang X M; Zwas D; Lankford E B; **Heber-Katz E**
CORPORATE SOURCE: The Wistar Institute, Philadelphia, PA 19104, USA.
CONTRACT NUMBER: AI42395 (NIAID)
SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (2001 Aug 14) 98 (17) 9830-5.
Journal code: 7505876. ISSN: 0027-8424.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200109
ENTRY DATE: Entered STN: 20010816
Last Updated on STN: 20010924
Entered Medline: 20010920

AB The reaction of **cardiac** tissue to acute injury involves interacting cascades of cellular and molecular responses that encompass inflammation, hormonal signaling, extracellular matrix remodeling, and compensatory adaptation of myocytes. Myocardial regeneration is observed in amphibians, whereas scar formation characterizes **cardiac**

ventricular wound healing in a variety of mammalian injury models. We have previously shown that the MRL mouse strain has an extraordinary capacity to heal surgical wounds, a complex trait that maps to at least seven genetic loci. Here, we extend these studies to **cardiac** wounds and demonstrate that a severe transmural, cryogenically induced infarction of the right ventricle heals extensively within 60 days, with the restoration of normal myocardium and function. Scarring is markedly reduced in MRL mice compared with C57BL/6 mice, consistent with both the reduced hydroxyproline levels seen after injury and an elevated cardiomyocyte mitotic index of 10-20% for the MRL compared with 1-3% for the C57BL/6. The myocardial response to injury observed in these mice resembles the regenerative process seen in amphibians.

L3 ANSWER 3 OF 3 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
ACCESSION NUMBER: 2002:264509 BIOSIS
DOCUMENT NUMBER: PREV200200264509
TITLE: Transthoracic echocardiography can detect right ventricular injury in mice.
AUTHOR(S): Zwas, Donna R. (1); Leferovich, John; **Heber-Katz, Ellen**; Lankford, Edward B.
CORPORATE SOURCE: (1) Thomas Jefferson Univ, Philadelphia, PA USA
SOURCE: Circulation, (October 23, 2001) Vol. 104, No. 17 Supplement, pp. II.564. http://circ.ahajournals.org/. print.
Meeting Info.: Scientific Sessions 2001 of the American Heart Association Anaheim, California, USA November 11-14, 2001
ISSN: 0009-7322.
DOCUMENT TYPE: Conference
LANGUAGE: English

=> d history

(FILE 'HOME' ENTERED AT 10:35:09 ON 09 OCT 2002)

FILE 'MEDLINE, CAPLUS, LIFESCI, EMBASE, USPATFULL, BIOSIS' ENTERED AT 10:35:26 ON 09 OCT 2002
E HEBER-KATZ ?/AU
E HEBER KATZ ?/AU
L1 327 S E4-6
L2 7 S L1 AND (CARDIAC OR HEART)
L3 3 DUP REM L2 (4 DUPLICATES REMOVED)

=> dup rem l1

PROCESSING COMPLETED FOR L1
L4 127 DUP REM L1 (200 DUPLICATES REMOVED)

=> s l4 not l2

L5 124 L4 NOT L2

=> d l5 ibib abs 1-20

L5 ANSWER 1 OF 124 MEDLINE
ACCESSION NUMBER: 20020435132 IN-PROCESS
DOCUMENT NUMBER: 22180355 PubMed ID: 12191003
TITLE: Expression of preadipocyte factor-1(Pref-1), a delta-like protein, in healing mouse ears.
AUTHOR: Samulewicz Stefan Jude; Seitz Alexander; Clark Lise;

Heber-Katz Ellen

CORPORATE SOURCE: Wistar Institute, Philadelphia, Pennsylvania.
SOURCE: WOUND REPAIR AND REGENERATION, (2002 Jul-Aug) 10 (4) 215-21.
Journal code: 9310939. ISSN: 1067-1927.

PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: IN-PROCESS; NONINDEXED; Priority Journals
ENTRY DATE: Entered STN: 20020823
Last Updated on STN: 20020823

AB Preadipocyte factor-1 (Pref-1), a delta-like protein containing epidermal growth factor-repeats, is expressed in proliferating cells in a variety of tissues and is believed to be involved in maintaining the undifferentiated state of these cells. Using microarray analysis, reverse transcriptase-polymerase chain reaction, in-situ hybridization, and immunohistochemistry, we have identified Pref-1 expression in the healing ears of two strains of mice, MRL and C57BL/6. MRL is unusual in that ear punches completely regenerate the ear tissue along with new cartilage with no scarring. Pref-1 is more highly expressed in the MRL wounds, is uniquely found in a condensation of cells within the regenerating tissue of the blastema, and may contribute to the regenerative capacity of the MRL ear wound. (WOUND REP REG 2002;10:215-221)

L5 ANSWER 2 OF 124 MEDLINE
ACCESSION NUMBER: 2002152463 MEDLINE
DOCUMENT NUMBER: 21881902 PubMed ID: 11884574
TITLE: Mapping of genes involved in murine herpes simplex virus keratitis: identification of genes and their modifiers.
AUTHOR: Norose Kazumi; Yano Akihiko; Zhang Xiang-Ming; Blankenhorn Elizabeth; **Heber-Katz Ellen**
CORPORATE SOURCE: Department of Infection and Host Defense, Graduate School of Medicine, Chiba University, Inohana, Chuo-ku, Chiba, Japan.
CONTRACT NUMBER: AI42395 (NIAID)
SOURCE: JOURNAL OF VIROLOGY, (2002 Apr) 76 (7) 3502-10.
Journal code: 0113724. ISSN: 0022-538X.

PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200204
ENTRY DATE: Entered STN: 20020311
Last Updated on STN: 20020420
Entered Medline: 20020419

AB Herpes simplex keratitis (HSK) is an inflammatory response to viral infection and self antigens in the cornea and is a major cause of blindness. Using two strains of mice which are susceptible (129/SVEV) and resistant (C57BL/6) to herpes simplex virus (HSV) strain KOS, (129/SVEV x C57BL/6)F(2) mice were generated and examined for their disease susceptibility in terms of clinical symptoms, ocular disease, and antibody production following corneal scarification with HSV (KOS). A genome-wide screen was carried out using microsatellite markers to determine the genetic loci involved in this response. Loci on chromosomes 4, 5, 12, 13, and 14 were shown to be involved in general susceptibility to clinical disease, whereas loci on chromosomes 10 and 17 were shown to be unique to ocular disease.

L5 ANSWER 3 OF 124 MEDLINE
ACCESSION NUMBER: 2002085509 MEDLINE
DOCUMENT NUMBER: 21671526 PubMed ID: 11813238
TITLE: Recovery from spinal cord injury: a new transection model

in the C57Bl/6 mouse.

AUTHOR: Seitz Alexander; Aglow Elsa; **Heber-Katz Ellen**
CORPORATE SOURCE: The Wistar Institute, Philadelphia, Pennsylvania 19104, USA.
SOURCE: JOURNAL OF NEUROSCIENCE RESEARCH, (2002 Feb 1) 67 (3) 337-45.
Journal code: 7600111. ISSN: 0360-4012.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200202
ENTRY DATE: Entered STN: 20020129
Last Updated on STN: 20020226
Entered Medline: 20020225

AB Spinal cord transections in mammalian animal models lead to loss of motor function. In this study, we show that functional recovery from complete transection of the adult mouse spinal cord can in fact occur without any intervention if dural injury along with displacement of the ends of the cut cord and fibroblastic infiltration is minimized. Underlying this function is the expression of GAP-43 in axonal growth cones, axonal extension and bridging of the injury site indicated by biocytin retrograde tracing and neuronal remodeling of both the white matter and the gray matter. Such studies suggest a new murine model for the study of spinal cord regeneration.

L5 ANSWER 4 OF 124 MEDLINE
ACCESSION NUMBER: 2001483033 MEDLINE
DOCUMENT NUMBER: 21417489 PubMed ID: 11525801
TITLE: Expression of Golli mRNA during development in primary immune lymphoid organs of the rat.
AUTHOR: Skorupa A F; Brezinski S C; Lesh G; **Heber-Katz E**; McMorris F A
CORPORATE SOURCE: The Wistar Institute, Philadelphia, PA 19104, USA.
CONTRACT NUMBER: NS11037 (NINDS)
NS32122 (NINDS)
NS33902 (NINDS)
SOURCE: JOURNAL OF NEUROIMMUNOLOGY, (2001 Sep 3) 119 (1) 64-72.
Journal code: 8109498. ISSN: 0165-5728.
PUB. COUNTRY: Netherlands
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200110
ENTRY DATE: Entered STN: 20010830
Last Updated on STN: 20011008
Entered Medline: 20011004

AB The gene-of-the-oligodendrocyte lineage (Golli)-MBP transcription unit contains three Golli-specific exons together with eight exons of the "classical" myelin basic protein (MBP) gene, yielding alternatively spliced proteins which share amino acid sequence with MBP. Unlike MBP, a late antigen expressed only in the nervous system, Golli gene products are expressed pre- and post-natally at many sites. In this study, we determined the sequence of Golli in rat by RT-PCR and 5' RACE and showed that Golli sequences are expressed in primary lymphoid organs as early as e16.5, which could explain the anergic rat T cell response we previously observed in Golli-induced meningitis.

L5 ANSWER 5 OF 124 MEDLINE
ACCESSION NUMBER: 1999428738 MEDLINE
DOCUMENT NUMBER: 99428738 PubMed ID: 10497098
TITLE: The regenerating mouse ear.
AUTHOR: **Heber-Katz E**

CORPORATE SOURCE: Wistar Institute, 3601 Spruce Street, Philadelphia, PA, 19104, USA.
CONTRACT NUMBER: AI42395 (NIAID)
SOURCE: SEMINARS IN CELL AND DEVELOPMENTAL BIOLOGY, (1999 Aug) 10 (4) 415-9. Ref: 29
Journal code: 9607332. ISSN: 1084-9521.
PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199911
ENTRY DATE: Entered STN: 20000111
Last Updated on STN: 20000111
Entered Medline: 19991122

L5 ANSWER 6 OF 124 MEDLINE
ACCESSION NUMBER: 1999240534 MEDLINE
DOCUMENT NUMBER: 99240534 PubMed ID: 10222027
TITLE: Tolerance induction by acylated peptides: effect on encephalitogenic T cell lines.
AUTHOR: St Louis J; Zhang X M; **Heber-Katz E**; Uniyal S; Pobbinson D; Singh B; Strejan G H
CORPORATE SOURCE: The John P. Robarts Research Institute, University of Western Ontario, Health Sciences Center, London, Ontario, N6A 5C1, Canada.
CONTRACT NUMBER: NS11037 (NINDS)
SOURCE: JOURNAL OF AUTOIMMUNITY, (1999 May) 12 (3) 177-89.
Journal code: 8812164. ISSN: 0896-8411.
PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199907
ENTRY DATE: Entered STN: 19990727
Last Updated on STN: 20000303
Entered Medline: 19990713

AB We reported previously that acylation of an encephalitogenic peptide of myelin basic protein (MBP68-86) by attachment of palmitoyl chloride (PAL68-86) converted this peptide into a powerful tolerogen for EAE in the Lewis rat. In this study we show that T cell lines derived from a PAL68-86-protected rat proliferated poorly to MBP68-86 in vitro, even after repeated passages in this peptide and IL-2. Conversely, T cell lines derived from untreated rats that were challenged with MBP68-86 or PAL68-86 in CFA responded vigorously to MBP68-86 when propagated for many passages in this peptide but became gradually unresponsive after being propagated in the presence of PAL68-86. The modulation of the T cell lines by PAL68-86 in vitro was reflected by a significant reduction in their ability to transfer EAE to recipients. A high percentage of cells stained with an anti-Vbeta8.2 antibody, regardless of whether they were propagated in the presence of unmodified or acylated peptide. The results are consistent with the notion that tolerance induced by PAL68-86 operates by functional inactivation and provide the basis for the use of acylated peptides in the antigen-specific treatment of autoimmune diseases.

L5 ANSWER 7 OF 124 MEDLINE
ACCESSION NUMBER: 1999218460 MEDLINE
DOCUMENT NUMBER: 99218460 PubMed ID: 10201962
TITLE: Golli-induced paralysis: a study in anergy and disease.
AUTHOR: Clark L; Otvos L Jr; Stein P L; Zhang X M; Skorupa A F; Lesh G E; McMorris F A; **Heber-Katz E**

CORPORATE SOURCE: The Wistar Institute, Philadelphia, PA 19104, USA.
CONTRACT NUMBER: CA72806 (NCI)
GM45011 (NIGMS)
NS33902 (NINDS)
+
SOURCE: JOURNAL OF IMMUNOLOGY, (1999 Apr 1) 162 (7) 4300-10.
Journal code: 2985117R. ISSN: 0022-1767.

PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 199905
ENTRY DATE: Entered STN: 19990525
Last Updated on STN: 19990525
Entered Medline: 19990513

AB The Golli-MBP transcription unit contains three Golli-specific exons as well as the seven exons of the classical myelin basic protein (MBP) gene and encodes alternatively spliced proteins that share amino acid sequence with MBP. Unlike MBP, which is a late Ag expressed only in the nervous system, Golli exon-containing gene products are expressed both pre- and postnatally at many sites, including lymphoid tissue, as well as in the central nervous system. To investigate whether Golli-MBP peptides unique to Golli would result in neurological disease, we immunized rats and observed a novel neurological disease characterized by mild paralysis and the presence of groups of lymphocytes in the subarachnoid space but not in the parenchyma of the brain. Disease was induced by Th1-type T cells that displayed an unusual activation phenotype. Primary stimulation in vitro induced T cell proliferation with increased surface CD45RC that did not become down-regulated as it did in other Ag-stimulated cultures. Secondary stimulation of this CD45RChigh population with Ag, however, did not induce proliferation or IL-2 production, although an IFN-gamma-producing population resulted. Proliferation could be induced by secondary stimulation with IL-2 or PMA-ionomycin, suggesting an anergic T cell population. Cells could adoptively transfer disease after secondary stimulation with IL-2, but not with Ag alone. These responses are suggestive of a chronically stimulated, anergic population that can be transiently activated to cause disease, fall back into an anergic state, and reactivated to cause disease again. Such a scenario may be important in chronic human disease.

L5 ANSWER 8 OF 124 MEDLINE
ACCESSION NUMBER: 1999072597 MEDLINE
DOCUMENT NUMBER: 99072597 PubMed ID: 9856777
TITLE: SPARC deficiency leads to early-onset cataractogenesis.
AUTHOR: Norose K; Clark J I; Syed N A; Basu A; **Heber-Katz E**; Sage E H; Howe C C
CORPORATE SOURCE: The Wistar Institute, Philadelphia, Pennsylvania 19104, USA.
CONTRACT NUMBER: EY04542 (NEI)
GM40711 (NIGMS)
SOURCE: INVESTIGATIVE OPHTHALMOLOGY AND VISUAL SCIENCE, (1998 Dec) 39 (13) 2674-80.
Journal code: 7703701. ISSN: 0146-0404.

PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199812
ENTRY DATE: Entered STN: 19990115
Last Updated on STN: 19990115
Entered Medline: 19981221

AB PURPOSE: To determine the role of SPARC (secreted protein, acidic, and rich in cysteine) in cataractogenesis by examining mice deficient in a

matricellular protein SPARC. METHODS: Mice were rendered SPARC-deficient by a targeted disruption of the gene. Slit-lamp microscopy and histology were used to examine the eyes of SPARC-null and wild-type mice from birth to 14 months of age. RESULTS: SPARC-null mice developed opacities in the posterior cortex of the eye as early as 1.5 months after birth. The diffuse cataracts appeared to progress toward the anterior cortex and reached maturity in many animals by 3.5 months of age. Early stages of cataractogenesis in SPARC-null mice included inhibition of normal lens fiber cell differentiation, degeneration of fiber cells, vacuole formation at the equator, and liquefaction of the cortex. No cataracts were detected in wild-type mice up to the age of 8 months. CONCLUSIONS: The early onset of cataracts in SPARC-null mice establishes that the gene is essential to the maintenance of lens transparency.

L5 ANSWER 9 OF 124 MEDLINE
ACCESSION NUMBER: 1998406232 MEDLINE
DOCUMENT NUMBER: 98406232 PubMed ID: 9751744
TITLE: Genetic analysis of a mammalian wound-healing trait.
AUTHOR: McBrearty B A; Clark L D; Zhang X M; Blankenhorn E P; **Heber-Katz E**
CORPORATE SOURCE: Wistar Institute, 3400 Spruce Street, Philadelphia, PA 19104, USA.
SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1998 Sep 29) 95 (20) 11792-7. Journal code: 7505876. ISSN: 0027-8424.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199810
ENTRY DATE: Entered STN: 19981029
Last Updated on STN: 19981029
Entered Medline: 19981022

AB Wound healing of mammalian tissue is an essential process in the maintenance of body integrity. The general mechanism of wound healing usually studied in adult mammals is repair, in contrast to the regeneration seen in more primitive vertebrates. We recently have discovered that MRL/MpJ mice, unlike all other strains of mice tested, undergo rapid and complete wound closure that resembles regeneration. Specifically, through-and-through surgical ear hole wounds close without scarring in <4 weeks with normal gross and microanatomic architecture, including chondrogenesis. We also demonstrated that this healing is a heritable trait in inbred mice. In this study, we present results pertaining to its genetic control in progeny segregating for this phenotype. To identify the genetic loci that control the wound closure process, a genome-wide scan was performed on (MRL/MpJ-Faslpr x C57BL/6)F2 and backcross populations. In the primary screens of these populations, quantitative trait loci that control the extent of wound closure were detected on chromosomes 8, 12, and 15 and at two separate locations on chromosome 13. Evidence of further genetic control of healing was found on chromosome 7. All alleles that contribute to full wound closure are derived from the MPL/MpJ-Faslpr parent except for the quantitative trait locus on chromosome 8, which is derived from C57BL/6.

L5 ANSWER 10 OF 124 MEDLINE
ACCESSION NUMBER: 1998350093 MEDLINE
DOCUMENT NUMBER: 98350093 PubMed ID: 9683548
TITLE: A new murine model for mammalian wound repair and regeneration.
AUTHOR: Clark L D; Clark R K; **Heber-Katz E**
CORPORATE SOURCE: The Wistar Institute, 3601 Spruce Street, Philadelphia, Pennsylvania, 19104, USA.
SOURCE: CLINICAL IMMUNOLOGY AND IMMUNOPATHOLOGY, (1998 Jul) 88 (1)

35-45.
Journal code: 0356637. ISSN: 0090-1229.

PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199808
ENTRY DATE: Entered STN: 19980828
Last Updated on STN: 20000303
Entered Medline: 19980817

AB Regeneration is generally considered to be a phenomenon restricted to amphibians in which amputated limbs reform and regrow. We have recently noted a strain of mouse, the MRL, which displays a remarkable capacity for cartilagenous wound closure and provides an example of a phenomenon previously considered to be a form of regeneration. Specifically, through-and-through ear punches rapidly attain full closure with normal tissue architecture reminiscent of regeneration seen in amphibians as opposed to scarring, as usually seen in mammals. Histologically, we have demonstrated normal cell growth and microanatomy, including angiogenesis and chondrogenesis, as opposed to control C57BL/6 mice which have ear holes that contract minimally but do not close. Finally, this phenomenon is a genetically definable quantitative trait.

L5 ANSWER 11 OF 124 MEDLINE
ACCESSION NUMBER: 1998140197 MEDLINE
DOCUMENT NUMBER: 98140197 PubMed ID: 9479570
TITLE: The interplay of T cell responses to viral and autoimmune epitopes.

AUTHOR: **Heber-Katz E**
CORPORATE SOURCE: Wistar Institute, Philadelphia, PA 19104, USA..
herberkatz@wista.wistar.upenn.edu

SOURCE: IMMUNOLOGIC RESEARCH, (1998) 17 (1-2) 83-7. Ref: 21
Journal code: 8611087. ISSN: 0257-277X.

PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)

LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199803
ENTRY DATE: Entered STN: 19980407
Last Updated on STN: 19980407
Entered Medline: 19980324

AB The examination of the immune T cell response to herpes simplex virus (HSV) antigen glycoprotein D (gD) in an ongoing infection has revealed a uniquely broad range of antigenic determinants seen. This has been shown in the murine T cell response to gD determinants where over 60% of the overlapping peptides are recognized as opposed to 1 of 30 peptides seen when gD was injected in Freund's adjuvant. This has also been seen in the response to local autoantigens when the HSV infection is produced by corneal scarification. Furthermore, analysis of the response to the autoantigen, Golli myelin basic protein (MBP), present in the developing thymus is explored.

L5 ANSWER 12 OF 124 MEDLINE
ACCESSION NUMBER: 1998112689 MEDLINE
DOCUMENT NUMBER: 98112689 PubMed ID: 9452310
TITLE: Effects of oral tolerance induction by myelin basic protein on Vbeta8+ Lewis rat T cells.

AUTHOR: Goldman-Brezinski S; Brezinski K; Zhang X M; Gienapp I; Cox K; **Heber-Katz E**; Whitacre C
CORPORATE SOURCE: The Wistar Institute, Philadelphia, Pennsylvania 19104,

USA.
CONTRACT NUMBER: AI35960 (NIAID)
NS11037 (NINDS)
NS23561 (NINDS)
+
SOURCE: JOURNAL OF NEUROSCIENCE RESEARCH, (1998 Jan 1) 51 (1) 67-75.
Journal code: 7600111. ISSN: 0360-4012.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199803
ENTRY DATE: Entered STN: 19980319
Last Updated on STN: 19980319
Entered Medline: 19980310

AB Encephalitogenic T cells from Lewis rats use a restricted T cell receptor (TCR) gene combination, Vbeta8.2 and Valpha2. The oral administration of myelin basic protein (MBP) to Lewis rats prior to encephalitogenic challenge results in a marked inhibition of clinical neurologic signs of encephalitis, reduced central nervous system pathology, suppressed T cell reactivity to MBP, and decreased serum anti-MBP antibody responses. The present study determined the TCR Vbeta8 gene usage in rats rendered orally tolerant to MBP as compared with vehicle-fed or unfed controls. Total RNA was extracted from lymph node cells (LNC), Northern blots run, and hybridizations performed using a rat beta chain V region probe positive for Vbeta8.2. The results indicate that feeding MBP results in a decrease in Vbeta8+ TCR RNA expression in lymph nodes draining the site of encephalitogenic challenge. T cell proliferation was reduced in LNC of tolerized rats relative to control rats. No change in the Vbeta8+ TCR RNA expression or MBP reactivity was observed in the mesenteric lymph nodes (MLN) of vehicle-fed or MBP-fed rats, although an increase in cell number was found in the MLN of both groups. These results suggest that the mechanisms of orally induced tolerance involve local clonal deletion or migration of Vbeta8+ T cells, of which MBP-specific T cells are a part.

L5 ANSWER 13 OF 124 MEDLINE
ACCESSION NUMBER: 97047168 MEDLINE
DOCUMENT NUMBER: 97047168 PubMed ID: 8892088
TITLE: Corneal infection with herpes simplex virus type 1 leads to autoimmune responses in rats.
AUTHOR: Clark L; Fareed M; Miller S D; Merryman C; **Heber-Katz E**
CORPORATE SOURCE: Wistar Institute, Philadelphia, PA 19104, USA.
CONTRACT NUMBER: AI 22528 (NIAID)
NS 33902 (NINDS)
SOURCE: JOURNAL OF NEUROSCIENCE RESEARCH, (1996 Sep 15) 45 (6) 770-5.
Journal code: 7600111. ISSN: 0360-4012.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199703
ENTRY DATE: Entered STN: 19970327
Last Updated on STN: 19970327
Entered Medline: 19970314

AB Lewis rats were infected by corneal scarification with HSV type 1 type strain F virus. The animals showed symptoms of infection and inflammatory infiltrates of the eye but little mortality. After one month, immune responses to viral and autoantigens were examined. It was shown that lymph node cells proliferated to the myelin antigen, proteolipoprotein, and the HSV antigen, glycoprotein D, but showed depressed responses to antigens of

the eye, specifically corneal and retinal antigens. Splenic cells showed small but significant responses to antigens of the eye, indicating immune deviation similar to that previously demonstrated in ACAID, where antigen had been injected into the anterior chamber of the eye.

L5 ANSWER 14 OF 124 MEDLINE
ACCESSION NUMBER: 97047163 MEDLINE
DOCUMENT NUMBER: 97047163 PubMed ID: 8892083
TITLE: Possible mechanism for the TCR beta-chain associated EAE resistance of LEP rats.
AUTHOR: Bourque M M; Martin A M; Desquennes-Clark L; **Heber-Katz E**; Blankenhorn E P
CORPORATE SOURCE: Department of Microbiology and Immunology, Medical College of Pennsylvania, Philadelphia, USA.
CONTRACT NUMBER: RO1-NS11037 (NINDS)
RO1-NS25519 (NINDS)
SOURCE: JOURNAL OF NEUROSCIENCE RESEARCH, (1996 Sep 15) 45 (6) 714-22.
Journal code: 7600111. ISSN: 0360-4012.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199703
ENTRY DATE: Entered STN: 19970327
Last Updated on STN: 20000303
Entered Medline: 19970314

AB LER rats are resistant to the active induction of experimental allergic encephalomyelitis (EAE). The mechanism of their resistance to EAE has yet to be defined, although LER rats are susceptible to adoptively transferred EAE. Genetic analysis of LER and the susceptible LEW rat suggests that a gene linked to the T cell receptor (TCR) beta-chain complex contributes to EAE resistance. This result is consistent with the fact that EAE is a T cell mediated disease and one characterized in EAE-susceptible animals by an oligoclonal TCR V beta 8.2+ response. In this report, analysis of TCR transcripts by reverse transcriptase polymerase chain reaction (RT-PCR) and restriction digestion demonstrates that LER lymph nodes, collected on day 10 post-immunization with myelin basic protein (MBP), express both TCR-V beta 8.2 and other TCR beta chains, usually V beta 8.4, whereas LEW animals demonstrate preferential and almost exclusive use of V beta 8.2 TCR. Fluorescence-activated cell sorting (FACS) analyses of anti-MBP T cells confirm that LER T cells express V beta 8.2 TCR to a lesser degree than LEW T cells. Finally, experiments examining the oligo- or polyclonality of the TCRV beta CDR3 region show that the LER response to MBP is polyclonal, while the LEW response to MBP is oligoclonal. Therefore, the cumulative data on the TCR usage profiles in this report suggest that the choice of TCR variable beta-chain may contribute to the resistance seen in the LER rat.

L5 ANSWER 15 OF 124 MEDLINE
ACCESSION NUMBER: 95373806 MEDLINE
DOCUMENT NUMBER: 95373806 PubMed ID: 7544078
TITLE: The relationship between human multiple sclerosis and rodent experimental allergic encephalomyelitis.
AUTHOR: **Heber-Katz E**
CORPORATE SOURCE: Wistar Institute, Philadelphia, Pennsylvania 19104, USA.
SOURCE: ANNALS OF THE NEW YORK ACADEMY OF SCIENCES, (1995 Jul 7) 756 283-93. Ref: 56
Journal code: 7506858. ISSN: 0077-8923.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LANGUAGE: English

FILE SEGMENT: Priority Journals
ENTRY MONTH: 199509
ENTRY DATE: Entered STN: 19950930
Last Updated on STN: 20000303
Entered Medline: 19950920

L5 ANSWER 16 OF 124 MEDLINE
ACCESSION NUMBER: 95371689 MEDLINE
DOCUMENT NUMBER: 95371689 PubMed ID: 7643858
TITLE: An alternative view of T-cell receptor-MHC interaction: T-cell receptor binds transversally to the alpha-helices of the MHC molecule.
AUTHOR: Tang X X; Ikegaki N; Danska J S; **Heber-Katz E**
CORPORATE SOURCE: Wistar Institute, Philadelphia, PA 19104, USA.
CONTRACT NUMBER: AI-22528 (NIAID)
SOURCE: MOLECULAR IMMUNOLOGY, (1995 Jun) 32 (9) 661-8.
Journal code: 7905389. ISSN: 0161-5890.
PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199509
ENTRY DATE: Entered STN: 19950930
Last Updated on STN: 19950930
Entered Medline: 19950921

AB We have attempted to elucidate the relative orientation of the T-cell receptor (TCR) to the major histocompatibility complex (MHC)-antigen complex during antigen recognition, using the T-cell response to B10.A (1-Ek) and B10.A(5R) (I-Eb) mice to the 1-23(H) peptide derived from glycoprotein D of the herpes simplex virus. The 1-23(H)-specific T-cells derived from both B10.A and B10.A(5R) mice use the same set of V alpha genes and a different array of V beta genes. The CDR1s of these TCR beta chains share residues at particular positions. The CDR2s of the TCR beta chains have a negative charge, which correlates with I-Eb reactivity and with the positively charged polymorphic residues residing at the C-terminal end of the alpha-helix of the I-Eb beta chain of the class II molecule. Taken together, the data suggest that the TCR beta chain interacts with both the alpha and beta chains of the MHC class II molecule, as does the TCR alpha chain.

L5 ANSWER 17 OF 124 MEDLINE
ACCESSION NUMBER: 94364633 MEDLINE
DOCUMENT NUMBER: 94364633 PubMed ID: 7521858
TITLE: Neuritogenic Lewis rat T cells use Tcrb chains that include a new Tcrb-V8 family member.
AUTHOR: Zhang X M; Esch T R; Clark L; Gregorian S; Rostami A; Otvos L Jr; **Heber-Katz E**
CORPORATE SOURCE: Wistar Institute, Philadelphia, PA 19104.
CONTRACT NUMBER: AR39489 (NIAMS)
NS08075 (NINDS)
NS11036 (NINDS)
+
SOURCE: IMMUNOGENETICS, (1994) 40 (4) 266-70.
Journal code: 0420404. ISSN: 0093-7711.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-U06100; GENBANK-U06101; GENBANK-U06102; GENBANK-U06103; GENBANK-U06104
ENTRY MONTH: 199410
ENTRY DATE: Entered STN: 19941021
Last Updated on STN: 19960129

Entered Medline: 19941012

AB The P2 protein obtained from Schwann cells induces a population of T cells which, upon adoptive transfer, causes the disease experimental allergic neuritis (EAN), an animal model for Guillain-Barre syndrome. In this report, a truncated peptide, FR22, derived from a previously reported neuritogenic T-cell determinant, was used to generate from Lewis rats T cells that were shown to cause EAN. Since our previous studies showed that Tcrb-V8 was used by a majority of T-cell hybridomas specific for the neuritogenic peptide P26, which contains the FR22 sequence, we sequenced the Tcrb-V8+ mRNA from FR22-specific T-cell lines, and compared the sequences obtained with those obtained from similarly generated myelin basic protein (MBP) 68-88-specific Lewis rat T-cell lines. We found that in the EAN lines, several members of the Tcrb-V8 family were used, including a new family member, Tcrb-V8E. This was more diverse than the MBP-68-88-specific response in which only a single Tcrb-V8 family member was used. Also, in the EAN lines, the beta chain sequences did not show the same conserved junctional regions seen in the MBP lines. Thus, T-cell receptor beta chain usage in the response to this dominant neuritogenic peptide appears to be less restricted than the response to the dominant encephalitogenic determinant of MBP both in V region usage and in CDR3 usage.

L5 ANSWER 18 OF 124 MEDLINE
ACCESSION NUMBER: 94134085 MEDLINE
DOCUMENT NUMBER: 94134085 PubMed ID: 8302301
TITLE: Nucleotide sequences of three new members of the mouse V alpha 2 gene family.
AUTHOR: Tang X X; Ikegaki N; **Heber-Katz E**
CORPORATE SOURCE: Immunology Graduate Group, University of Pennsylvania, Philadelphia 19104.
CONTRACT NUMBER: AI 22528 (NIAID)
SOURCE: MOLECULAR IMMUNOLOGY, (1994 Jan) 31 (1) 78-82.
Journal code: 7905289. ISSN: 0161-5890.
PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-L21699; GENBANK-L21700; GENBANK-L21701
ENTRY MONTH: 199403
ENTRY DATE: Entered STN: 19940318
Last Updated on STN: 19940318
Entered Medline: 19940304

L5 ANSWER 19 OF 124 MEDLINE
ACCESSION NUMBER: 93380012 MEDLINE
DOCUMENT NUMBER: 93380012 PubMed ID: 7690307
TITLE: Induction of peripheral tolerance with peptide-specific anergy in experimental autoimmune neuritis.
AUTHOR: Gregorian S K; Clark L; **Heber-Katz E**; Amento E P; Rostami A
CORPORATE SOURCE: Department of Neurology, School of Medicine, University of Pennsylvania, Philadelphia 19104.
CONTRACT NUMBER: AR3489 (NIAMS)
NS08075 (NINDS)
SOURCE: CELLULAR IMMUNOLOGY, (1993 Sep) 150 (2) 298-310.
Journal code: 1246405. ISSN: 0008-8749.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199310
ENTRY DATE: Entered STN: 19931029
Last Updated on STN: 19960129
Entered Medline: 19931014

AB Neuritogenic T cells specific for SP-26, a synthetic peptide (residue 53-78) of myelin P2 protein that causes experimental autoimmune neuritis (EAN), use the same T cell receptor (TCR) V gene family (V beta 8) that can induce experimental autoimmune encephalomyelitis (EAE) in Lewis rats. Tolerance to autoregulatory T cells may be induced in rats by intravenous (iv) administration of antigen-coupled splenocytes; however, the mechanisms that lead to altered immune reactivity are not well understood.

Here we demonstrate that SP-26, when coupled to syngeneic spleen cells and administered iv, either before or after disease induction, markedly inhibited development and expression of clinical signs and histological changes of EAN. The induction of tolerance by this method was peptide-specific and MHC-restricted. We showed previously that T cells involved in EAN utilize the T cell antigen receptor V beta 8, whereas less than 5% of normal rat peripheral T cells express V beta 8. We have examined T lymphocytes from tolerized rats to determine the presence or absence of V beta 8(+)-bearing cells in order to determine the mechanism of tolerance. V beta 8 cells were undetectable by Northern blot analysis in the lymph nodes of unimmunized animals but easily detected in SP-26-primed and tolerized rats. In addition, spleen cells isolated from tolerized animals were anergic and failed to proliferate in response to SP-26, but retained responsiveness to IL-2 and Con A stimulation. Thus, the peptide-specific unresponsiveness that can be induced in rats with EAN, a T-cell-mediated process that is MHC-restricted and utilizes the T cell receptor V beta 8, occurs while V beta 8 transcripts remain readily detectable in spleen and lymph node cells. The detection of V beta 8-bearing T cells requires the development of antibodies specific for this rat surface protein.

L5 ANSWER 20 OF 124 MEDLINE

ACCESSION NUMBER: 93253340 MEDLINE
DOCUMENT NUMBER: 93253340 PubMed ID: 7683709
TITLE: The ups and downs of EAE.
AUTHOR: **Heber-Katz E**
CORPORATE SOURCE: Wistar Institute, Philadelphia, Pennsylvania.
SOURCE: INTERNATIONAL REVIEWS OF IMMUNOLOGY, (1993) 9 (4) 277-85.
Ref: 26
Journal code: 8712260. ISSN: 0883-0185.
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AB Experimental allergic encephalomyelitis (EAE) is considered the animal disease model for multiple sclerosis (MS) in humans. However, EAE is an acute disease whereas MS is a chronic disease. The on-off nature in both diseases of autoimmune reactivity suggests a regulatory response by the host, a response which can effect the autoreactive T cell by modulating-up or modulating-down. This review discusses various aspects of this regulation, seen after administration of autoantigen, of antibody directed at the T cell receptor (TcR), and of fragments of the TcR itself.

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